

CA501



Din 32 Rail

Din Rail for mounting Terminal Blocks and Interface modules. Most of Connectwell's Terminal Blocks and Interface Modules are designed to be mounted on Din Rails (Channels) that can be fixed easily on panel boards and other equipment. These rails comply with European standards EN 50 035. The rails are zinc plated and chromate passivated. Accordingly to the DIN VDE 0611 part 3, steel mounting rails are permissible as grounding bus bars (PE function) but do not have the PEN function.

PRODUCT SPECIFICATION

Height	15 mm
Width (Thickness)	1.5 mm
Depth	32 mm
Material	Steel

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA501-1M	Din 32 Rail unslotted 1 meter	50
CA501-1M-S	Din 32 Rail slotted 1 meter	50
CA501-2M	Din 32 Rail unslotted 2 meter	50
CA501-2M-S	Din 32 Rail slotted 2 meter	50

SUITABLE FOR

CSTSN5U	Nut driver operated M5 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
CSTSN6U	Nut driver operated M6 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
CMDT4	Disconnect and Test Terminal Blocks
CKT4U/S	4 sq.mm Knife Type Disconnect & Test Terminal Blocks with Standard screws
CSTSB3	M3 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CSTSB4	M4 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CDS6U/FT	6 sq.mm Disconnect & Test Terminal Blocks
CDL4UELA	4 sq.mm Surge Suppression Terminal Blocks with Lightning Arrestor.
CDL4UEDD3	4 sq.mm Terminal Blocks with diode circuit - DD3 configuration
CDL4UED3	4 sq.mm Terminal Blocks with diode circuit - D3 configuration
CDB4(1)	Modular Distribution Blocks with 4 sq.mm Output connections and 16 sq.mm Bolt Type Input Connection
CKT4U/4	4 sq.mm Disconnect & Test Terminal Blocks with Knife Type disconnecting contact and multiple connection points.
CMDB4	4 sq.mm Modular Distribution Blocks.
CMDB6	6 sq.mm Modular Distribution Blocks.
CSTSRN5	M5 sized Stud Type Terminal Blocks, suitable for operation with nut driver.
CSTSN6	M6 sized Stud Type Terminal Blocks, suitable for operation with nut driver.
CTS6	6 sq.mm Standard Feed Through Terminal Blocks
CTS6U	6 sq.mm Standard Feed Through Terminal Blocks
CTS10U	10 sq. mm Standard Feed Through Terminal Blocks
CTS35UN	35 sq.mm Feed Through Terminal Blocks with Slotted Screws
CTS95L	95 sq.mm Bus Bar Type Terminal Blocks with locking nut.
CTS70LS	70 sq.mm Bus Bar Type Terminal Blocks with tapped current bars.
CTS95LS	95 sq.mm Bus Bar Type Terminal Blocks with tapped current bars.
CDL4UELD3	CDL4U(E)LD3 : 4 sq.mm Double Level Terminal Blocks with LED indication - LD3 Configuration
CHV4U	4 sq.mm High Voltage Terminal Blocks.
CTS6USC	6 sq.mm Spring Loaded Feed through Terminal Blocks
CHV10U	10 sq. mm High Voltage Terminal Blocks.
IMDC/xx/L1/L	IDC/FRC Module with LED Indication.
IMFI/xx/S/xx	Fuse Fail Indication Module with Single Fuse per Channel
IMERSxx/24D400A3	SSR Module 1NO (SPST) 24VDC IN 400VAC OUT 3Amp
IMERSFxx/12D400A3	SSR Module 1NO (SPST) 12VDC IN 400VAC OUT 3Amp With Output Fuse Protection

SUITABLE FOR....

IMERSFxx/24D125D2	SSR Module 1NO (SPST) 24VDC IN 125VDC OUT 2Amp With Output Fuse Protection
IMOPTRxx/24P/24P	Opto Transistor Module Source To Source Type (+24 VDC Input)
IMRC32/0.22/xx/xx	Rail Mount 32 Channel Resistor-Capacitor(RC) module
IMRE1OS16/24/IDC20	16CH 1NO Relay Interface Module for Schneider PLCtest
IMOPTRFxx/24P/24P	Opto Transistor Module Source To Source Type With Fuse Protection (+24 VDC Input)
IMD/CA/xx	Common Anode Diode Module
IMV/xx/R/275	275V Varistor Module with Common Anode Configuration
IMV/xx/S/50	50V Varistor Module with Single Varistor per Channel
CTL2.5U(I.S)	2.5 sq.mm Three Level internally shorted Terminal Blocks
CTL2.5UL	2.5 sq.mm Three Level Feed through Terminal Block with LED
CGT4U	4 sq.mm Ground / Earth Terminal Blocks for multi-rail mounting
CSTSB4U	Screwdriver operated M4 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
STH4	4 sq. mm Stud Type Terminal Block - with captive nuts.
CMC1-2	4 sq.mm Multiple Connection Terminal Blocks with 3 connection points.
CMDT4SH	Disconnect and Test Terminal Blocks
CDS6U/TS	6 sq.mm Disconnect & Test Terminal Blocks
CDS6U	6 sq.mm Disconnect & Test Terminal Blocks
CDL4U(E)RC	4 sq.mm Terminal Blocks with inbuilt RC circuit.
CDL4UEMOV	4 sq.mm Surge Suppression Terminal Blocks with MOV
CDL4UEDD2	4 sq.mm Terminal Blocks with diode circuit - DD2 configuration
CDL4UED2	4 sq.mm Terminal Blocks with diode circuit - D2 configuration
CSDL4U	4 sq.mm Disconnect & Test Terminal Blocks - With Disconnecting Brass Link.
CSTSB5	M5 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CSTSRN6	M6 sized Stud Type Terminal Blocks, suitable for operation with nut driver.
CTS2.5M	2.5 sq.mm Standard Feed Through Terminal Blocks
CTS4UN	4 sq.mm Standard Feed Through Terminal Blocks
CTS16U	16 sq.mm Standard Feed Through Terminal Blocks
CTS70L	70 sq.mm Bus Bar Type Terminal Blocks with locking nut.
CTS35LS	35 sq.mm Bus Bar Type Terminal Blocks with tapped current bars.
CTS10SC	10 sq.mm Spring Loaded Terminal Blocks.
CTC4U	Tab Connection Terminal Blocks suitable for 4 sq.mm wire
CDL4UED4	4 sq.mm Terminal Blocks with diode circuit - D4 configuration
CDL4UEL1	4 sq.mm Double Level Terminal Blocks with LED indication - L1 Configuration
CDL4U(O)	4 sq.mm Double Level Terminal Blocks with open type current bars to house electronic components.
CDL4UN(I.S)	4 sq.mm Double Level Internally Shorted Terminal Blocks.
CDTTU	6 sq.mm Disconnect & Test Terminal Blocks with Universal Mounting Possibility.
IMD/CK/xx	Common Cathode Diode Module
IMDLT/DC/CK/xx	Common Cathode DC Lamp Test Module
CHV6U	6 sq.mm High Voltage Terminal Blocks.
DDFL4UE	4 sq.mm Double Level Fuse Terminal Blocks with offline LED indication.
CMC2-2	4 sq.mm Multiple Connection Terminal Blocks with 4 connection points.

SUITABLE FOR.....		SUITABLE FOR.....	
ODL4U	4 sq.mm Offset Double Level Terminal Blocks.	CDL4UELD2	4 sq.mm Double Level Terminal Blocks with LED indication - LD2 Configuration
IMDC/xx/S/L	Standard IDC/FRC Module with 1:1 Screw Connections	CDL4UED1	4 sq.mm Terminal Blocks with diode circuit - D1 configuration
IMRE/DI16/24/DM37	16 CH Digital Input(DI) Relay Interface Module	CDB25	Modular Distribution Blocks with 25 sq.mm Output connections and 50 sq.mm Bolt Type Input Connection
IMRE1SS16/PLC	32 I/O Interface Module for SIEMENS SIMATIC S7-300/ET200MPLC	CMDB10	10 sq.mm Modular Distribution Blocks.
IMERSxx/12D125D2	SSR Module 1NO (SPST) 12VDC IN 125VDC OUT 2Amp	CSTSN5	M5 sized Stud Type Terminal Blocks, suitable for operation with nut driver.
IMDSUBF/xx/H	FEMALE DSUB Module with Component Mounting Hole	CTS10	10 sq.mm Standard Feed Through Terminal Blocks.
IMDSUBM/xx/S	Standard MALE DSUB Module With 1:1 Screw Connections	CTS16	16 sq.mm Standard Feed Through Terminal Blocks
IMDSUBM/xx/SC	MALE DSUB Module with 1:1 Spring Connections	CTS6SC	6 sq.mm Spring Loaded Feed through Terminal Blocks
IMDSUBF/xx/SC	FEMALE DSUB Module with 1:1 Spring Connections	CAFL4UN	Fuse Terminal Blocks
IMV/xx/R/130	130V Varistor Module with Common Anode Configuration	CDB6	Modular Distribution Blocks with 6 sq.mm Output connections and 25 sq.mm Bolt Type Input Connection
IMV/xx/S/275	275V Varistor Module with Single Varistor per Channel	CDL4UEDD5	4 sq.mm Terminal Blocks with diode circuit - DD5 configuration
CTS2.5UN	2.5 sq.mm, 5 mm thick Feed Through Terminal Block	CDL4UEL2	4 sq.mm Double Level Terminal Blocks with LED indication - L2 Configuration
CTL2.5U	2.5 sq.mm Three Level Feed through Terminal Blocks	CDL4U(I.S)	4 sq.mm Double Level Internally Shorted Terminal Blocks.
CTL2.5UHL	2.5 sq.mm Three Level Terminal Blocks with LED suitable for sensor & actuator application	CF4U	4 sq.mm Single Level Fuse Terminal Blocks
CDL4UN	4 sq.mm Double Level Terminal Blocks.	CTS4USC	4 sq.mm Spring Loaded Feed Through Terminal Blocks
IMDI16/xx	16CH Digital Input Module With optical Isolation	CTT2.5U	2.5 sq.mm Thermocouple Terminal Blocks.
CDL4UELD4	4 sq.mm Double Level Terminal Blocks with LED indication - LD4 Configuration	IMDC/xx/H/L	IDC/FRC Module with Component Mounting Hole
CKT4UD1	Knife Type 4 sq.mm Disconnect & Test Terminal Blocks with diode - D1 Configuration.	ODL4UA	Stackable 4 sq.mm Offset Double Level Terminal Blocks.
CSTSB5U	Screwdriver operated M5 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.	IMDC/xx/SC/L	Spring Cage IDC/FRC Module With 1:1 Spring Connections
STH4DT	Stud Type Terminal Block	IMERSxx/12D400A3	SSR Module 1NO (SPST) 12VDC IN 400VAC OUT 3Amp
CDTTS-SH	Disconnect and Test Terminal Blocks	IMERSxx/24D125D2	SSR Module 1NO (SPST) 24VDC IN 125VDC OUT 2Amp
CKT4U	4 sq.mm Knife Type Disconnect & Test Terminal Blocks with Socket screws	IMERSFxx/05D400A3	SSR Module 1NO (SPST) 5VDC IN 400VAC OUT 3Amp With Output Fuse Protection
CSTSN415P	M4 sized Stud Type Terminal Blocks, suitable for operation with nut driver - in 15 mm thickness.	IMERSFxx/12D125D2	SSR Module 1NO (SPST) 12VDC IN 125VDC OUT 2Amp With Output Fuse Protection
CDTTUSH	Disconnect & Test Terminal Block	IMERSFxx/24D400A3	SSR Module 1NO (SPST) 24VDC IN 400VAC OUT 3Amp With Output Fuse Protection
CDS6U/SC	6 sq.mm Disconnect & Test Terminal Blocks	IMTRFxx/24N/24N	Transistor Module Sink To Sink Type With Fuse Protection (-24 VDC Input)
CDL4UELD1-24V	4 sq.mm Double Level Terminal Blocks with LED indication -LD1 Configuration	IMRE/DO16/24/DM37	16 CH Digital Output(DO) Relay Interface Module
CDL4UEDD4	4 sq.mm Terminal Blocks with diode circuit - DD4 configuration	IMRJ45/8/HS	RJ45 Module with Shielded Horizontal RJ45 Connector
CDL4UEDD1	4 sq.mm Terminal Blocks with diode circuit - DD1 configuration	IMDSUBM/xx/H	MALE DSUB Module with Component Mounting Hole
CDL4U(E)3LA	4 sq.mm Surge Suppression Terminal Blocks	IMCC/xx	Component Carrier Module
CDB10	Modular Distribution Blocks with 10 sq.mm Output connections and 35 sq.mm Bolt Type Input Connection	IMDLT/AC/xx	AC Lamp Test Module
CMB25	25 sq.mm Modular Distribution Blocks.	IMV/xx/S/130	130V Varistor Module with Single Varistor per Channel
CSTSB4/N4	M4 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.	IMRE1SSF16/CNC	16 I/O CNC Interface Module with Output Fuse Protection
CSTSN515P	M5 sized Stud Type Terminal Blocks, suitable for operation with nut driver - in 15 mm thickness.	CGT10U	10 sq.mm Ground / Earth Terminal Blocks for multi-rail mounting
CTS2.5	4 sq.mm Standard Feed Through Terminal Blocks	CF4UL	4 sq.mm Single Level Fuse Terminal Blocks with LED indication.
CTS35	35 sq.mm Standard Feed Through Terminal Blocks	CDB4	Modular Distribution Blocks with 4 sq.mm Output connections and 16 sq.mm Bolt Type Input Connection
CTS35UNA	35 sq.mm Feed Through Terminal Blocks with Allen Screws	PSB2/24/12/2	2A, Single Phase Din Rail Mountable Step Type Switching Power Supplies
DDDL4U	4 sq.mm Disconnect & Test Terminal Blocks with disconnecting link.	PSB3/22.5/5/4.5	4.5A, Single Phase Din Rail Mountable Step Type Switching Power Supplies
CTS35L	35 sq.mm Bus Bar Type Terminal Blocks with locking nut.	PSB3/36/24/1.5	1.5A, Single Phase Din Rail Mountable Step Type Switching Power Supplies
CAFL4UL	4 sq.mm Fuse Terminal Blocks with offline LED indication.	PSB4/60/24/2.5	2.5A, Single Phase Din Rail Mountable Step Type Switching Power Supplies
CSFL4U	4 sq.mm Fuse Terminal Blocks.	PSB5/75/15/5	5A, Single Phase Din Rail Mountable Step Type Switching Power Supplies
CDL4UELD5	4 sq.mm Double Level Terminal Blocks with LED indication - LD5 Configuration	PSS5/12/0.42	0.42A, 5W Single Phase Din Rail Mountable Switching Power Supplies
CDL4UEN1	4 sq.mm Terminal Blocks with Neon Lamp indicator.	PSS5/24/0.21	0.21A, 5W Single Phase Din Rail Mountable Switching Power Supplies
IMDI/S/xx	Standard Individual Diode Module	PSS10/5/2	2A, 10W Single Phase Din Rail Mountable Switching Power Supplies
IMDLT/DC/CA/xx	Common Anode DC Lamp Test Module	PSS10/24/0.42	0.42A, 10W Single Phase Din Rail Mountable Switching Power Supplies
IMDLT/DC/S/xx	Individual DC Lamp Test Module	PSS30/5/6	PSS30/5/6, 30W Single Phase Din Rail Mountable Switching Power Supplies
DDFL4U	4 sq.mm Double Level Fuse Terminal Blocks.	PSS30/48/0.63	0.63A, 30W Single Phase Din Rail Mountable Switching Power Supplies
DDFL4ULR	4 sq.mm Double Level Fuse Terminal Blocks with two equal-potential points on each side.	PSS60/24/2.5	2.5A, 60W Single Phase Din Rail Mountable Switching Power Supplies
IMF/xx/S	Standard Fuse Module with Single Fuse per Channel	PSS100/12/8.4	8.4A, 100W Single Phase Din Rail Mountable Switching Power Supplies
IMERSxx/05D125D2	SSR Module 1NO (SPST) 5VDC IN 125VDC OUT 2Amp	PSS100/24/3.8-L	3.8A, 100W Single Phase Din Rail Mountable Switching Power Supplies
IMRE1SS16/SLC	32 I/O Interface Module for Allen Bradley SLC 500 PLC	PSS120/12/10	10A, 120W Single Phase Din Rail Mountable Switching Power Supplies
IMRE1SS16/CNC	16 I/O CNC Interface Module	PSS120/24/3.8-L	3.8A, 120W Single Phase Din Rail Mountable Switching Power Supplies
IMRE1SS16/CNCSSRxx	16 I/O CNC Interface Module with Solid State Relay	PSS240/48/5	5A, 240W Single Phase Din Rail Mountable Switching Power Supplies
IMERSFxx/05D125D2	SSR Module 1NO (SPST) 5VDC IN 125VDC OUT 2Amp With Output Fuse Protection	PSS300/48/6.25	6.25A, 300W Single Phase Din Rail Mountable Switching Power Supplies
IMERSxx/05D400A3	SSR Module 1NO (SPST) 5VDC IN 400VAC OUT 3Amp	PSD100/24/4.2	4.2A, 2ph/Single Phase Din Rail Mountable Switching Power Supplies
IMDSUBM/xx/L1	DSUB Module with LED Indication	PST120/24/5	5A, 3 Phase Din Rail Mountable Switching Power Supplies
IMDSUBF/xx/S	Standard FEMALE DSUB Module With 1:1 Screw Connections	PST480/24/20	20A, 3 Phase Din Rail Mountable Switching Power Supplies
IMDSUBF/xx/L1	FEMALE DSUB Module with LED Indication	CKT4SP	4 sq.mm Knife Type Disconnect & Test Terminal Blocks with Socket screws and with possibility of using Jumpers
IMRJ45/8/V	RJ45 Module with Vertical RJ45 Connector	IMRE1SSF16/CNC	16 I/O CNC Interface Module with Output Fuse Protection
IMV/xx/R/50	50V Varistor Module with Common Anode Configuration		
IMRE1SS16/24/IDC20	16CH Relay Interface Module for Schneider PLC		
CKT4UD2	Knife Type 4 sq.mm Disconnect & Test Terminal Blocks with diode - D2 Configuration.		
CSTSN4U	Nut driver operated M4 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.		
STH4DTSH	-2146826246		
CTS10USC	10 sq.mm Spring Loaded Terminal Blocks		
CDTTS	Disconnect and Test Terminal Blocks		
CSTSN4	M4 sized Stud Type Terminal Blocks, suitable for operation with nut driver.		
CDL4UESD	4 sq.mm Surge Suppression Terminal Blocks - with surge suppression diode.		

SUITABLE FOR.....		SUITABLE FOR.....	
IMRE2SS8/24/ECO	Economical Relay Module 2CO 8CH 24VDC (DPDT)- (Compact Version)	PST240/24/10	10A ,3 Phase Din Rail Mountable Switching Power Supplies
IMRE4SSxx/24/OM	Relay Module 4CO 24VDC (4PDT)	PST240/48/5	5A ,3 Phase Din Rail Mountable Switching Power Supplies
IMRE2SSXX/230A/RECT	Relay Module 2CO 230VAC (DPDT) Rectifier Version	PST960/24/40-E	40A ,3 Phase Din Rail Mountable Switching Power Supplies Economical
IMRE2SSFxx/12/OM	Relay Module 2CO 12VDC (DPDT) With Output Fuse Protection	PST960/48/20	20A ,3 Phase Din Rail Mountable Switching Power Supplies
IMREF2SSxx/110A/OM	Relay Module 2CO 110VAC (DPDT) With Input Fuse Protection	IMRE1SS16/CNC	16 I/O CNC Interface Module
IMREF2SSxx/24/OM	Relay Module 2CO 24VDC (DPDT) With Input Fuse Protection	IMRE1SS8/24/RED	Redundant Relay Module 1CO 24VDC (SPDT)
IMRE2SSFxx/110A/xx	Relay Module 2CO 110VAC (DPDT) With Output Fuse Fail Indication	IMRE1SSxx/110A/OM	Relay Module 1CO 110VAC (SPDT)
IMRE2SSFxx/24/xx	Relay Module 2CO 24VDC (DPDT) With Output Fuse Fail Indication	IMRE4SSxx/230A/OM	Relay Module 4CO 230VAC (4PDT)
CM4JUC	4 sq.mm Spring Loaded Feed Through Terminal Blocks	IMRE1SSFxx/110A/OM	Relay Module 1CO 110VAC (SPDT) With Output Fuse Protection
CBDT4U	Disconnect and Test Terminal Blocks	IMRE1SSFxx/230A/OM	Relay Module 1CO 230VAC (SPDT) With Output Fuse Protection
CDS6U/FTS	6 sq.mm Disconnect & Test Terminal Blocks	IMRE2SSFxx/230A/OM	Relay Module 2CO 230VAC (DPDT) With Output Fuse Protection
CTS25UN	25 sq.mm Standard Feed Through Terminal Blocks	IMRE2SSFxx/24/OM	Relay Module 2CO 24VDC (DPDT) With Output Fuse Protection
DDFL4UELR	4 sq.mm Double Level Fuse Terminal Blocks with two equi-potential points on each side and offline LED indication.	IMREF1SSxx/12/OM	Relay Module 1CO 12VDC (SPDT) With Input Fuse Protection
CDL4U	4 sq.mm Double Level Terminal Blocks.	IMREF2SSxx/230A/OM	Relay Module 2CO 230VAC (DPDT) With Input Fuse Protection
CTS2.5UE	2.5 sq.mm, 6 mm thick Feed Through Terminal Block	IMRE1SSFxx/24/xx	Relay Module 1CO 24VDC (SPDT) With Output Fuse Fail Indication
PSB1/7.5/5/1.5	1.5A ,Single Phase Din Rail Mountable Step Type Switching Power Suppliestest	CF4SPL	4 sq.mm Single Level Fuse Terminal Blocks with LED indication.
PSB1/10/15/0.67	0.67A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies	CBS4U	M4 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
PSB1/10/24/0.42	0.42A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies	CSB4/N4U	M4 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.
PSB2/24/15/1.6	1.6A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies	STH3	6 sq. mm Stud Type Terminal Block - with captive nuts.
PSB3/36/15/2.4	2.4A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies	CSB3/N3UL	M3 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.
PSB4/54/12/4.5	4.5A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies	CDTUFTSC	10 sq.mm Spring Loaded Feed Through Terminal Blocks
PSB5/60/5/12	12A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies	CCC4U	Component carrier terminal block
PSS5/5/1	1A,Single Phase Din Rail Mountable Switching Power Supplies	CTS25UN	25 sq.mm Standard Feed Through Terminal Blocks
PSS10/12/0.84	0.84A,10W Single Phase Din Rail Mountable Switching Power Supplies	CTL2.5UH	2.5 sq.mm Three Level Terminal Blocks suitable for sensor & actuator application
PSS18/12/1.5	1.5A,18W Single Phase Din Rail Mountable Switching Power Supplies	CTL2.5UH(I.S)D2	2.5 sq.mm Three Level Terminal Blocks with Diode suitable for sensor & actuator application
PSS30/24/1.25	1.25A,30W Single Phase Din Rail Mountable Switching Power Supplies	CSFL4UL	4 sq.mm Fuse Terminal Blocks with offline LED indication.
PSS50/5/10	10A,50W Single Phase Din Rail Mountable Switching Power Supplies	CTS25UN	25 sq.mm Standard Feed Through Terminal Blocks
PSS60/48/1.25	1.25A,60W Single Phase Din Rail Mountable Switching Power Supplies	PSB1/10/12/0.83	0.83A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSS120/48/2.5	2.5A,120W Single Phase Din Rail Mountable Switching Power Supplies	PSB2/15/5/3	3A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSS480/24/20	20A,480W Single Phase Din Rail Mountable Switching Power Supplies	PSB3/33/12/2.75	2.75A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSD100/48/2.1	2.1A ,2ph/Single Phase Din Rail Mountable Switching Power Supplies	PSB4/60/15/4	4A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PST960/24/40	40A ,3 Phase Din Rail Mountable Switching Power Supplies	PSB5/100/24/3.8-L	4.2A,Single Phase Din Rail Mountable Step Type Switching Power Supplies
CSB3/N3U	M3 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.	PSS10/15/0.67	0.67A,10W Single Phase Din Rail Mountable Switching Power Supplies
IMRE2SSxx/12/OM	Relay Module 2CO 12VDC (DPDT)	PSS15/5/3	3A,15W Single Phase Din Rail Mountable Switching Power Supplies
IMRE2SSxx/110A/OM	Relay Module 2CO 110VAC (DPDT)	PSS30/12/2.5	2.5A,30W Single Phase Din Rail Mountable Switching Power Supplies
IMRE2SSxx/230A/OM	Relay Module 2CO 230VAC (DPDT)	PSS60/12/5	5A,60W Single Phase Din Rail Mountable Switching Power Supplies
IMRE1SSFxx/24/OM	Relay Module 1CO 24VDC (SPDT) With Output Fuse Protection	PSS120/24/5	5A,120W Single Phase Din Rail Mountable Switching Power Supplies
IMREF1SSxx/230A/OM	Relay Module 1CO 230VAC (SPDT) With Input Fuse Protection	PSS300/24/12.5	12.5A,300W Single Phase Din Rail Mountable Switching Power Supplies
IMREF2SSxx/12/OM	Relay Module 2CO 12VDC (DPDT) With Input Fuse Protection	PSS480/48/10	10A,480W Single Phase Din Rail Mountable Switching Power Supplies
IMRE1SSFxx/230A/xx	Relay Module 1CO 230VAC (SPDT) With Output Fuse Fail Indication	PST120/12/10	10A ,3 Phase Din Rail Mountable Switching Power Supplies
IMRE2SS16/24/DM37	Relay Module 2CO 24VDC (DPDT) With DSUB Input	PST480/48/10	10A ,3 Phase Din Rail Mountable Switching Power Supplies
IMRE1O2/24/OEN-530	1NO 2CH 24VDC 70Amp Heavy Duty Relay Card	CTS4SC	4 sq.mm Spring Loaded Feed Through Terminal Blocks
CF4SPFT	4 sq.mm Standard Feed Through Terminal Blocks	IMTRxx/24N/24N	Transistor Module Sink To Sink Type (+24 VDC Input)
CDTUUSC	10 sq.mm Disconnect & Test Terminal Blocks	CBS3U	M3 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CDTUFT	10 sq. mm Feed Through Terminal Blocks	CF4SP	4 sq.mm Single Level Fuse Terminal Blocks with Jumper possibility
CSB5/N5U	M5 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.	IMRE1SSxx/12/OM	Relay Module 1CO 12VDC (SPDT)
CGT35U	35 sq.mm Ground / Earth Terminal Blocks for multi-rail mounting	IMRE2SSxx/24/OM	Relay Module 2CO 24VDC (DPDT)
CAFL4U	4 sq.mm Fuse Terminal Blocks	IMRE1SSxx/24/OM	Relay Module 1CO 24VDC (SPDT)
PSR10	10 A Redundant Module Din Rail Mountable	IMRE4SSxx/110A/OM	Relay Module 4CO 110VAC (4PDT)
PSR20	20 A Redundant Module Din Rail Mountable	IMRE1SSxx/230A/OM	Relay Module 1CO 230VAC (SPDT)
PSB2/24/24/1	1A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies	IMRE1SSxx/24A/RECT	Relay Module 1CO 24VAC (SPDT) Rectifier Version
PSB4/35/5/7	7A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies	IMRE2SSFxx/110A/OM	Relay Module 2CO 110VAC (DPDT) With Output Fuse Protection
PSB5/72/12/6	6A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies	IMREF1SSxx/24/OM	Relay Module 1CO 24VDC (SPDT)With Input Fuse Protection
PSS5/15/0.34	0.34A,5W Single Phase Din Rail Mountable Switching Power Supplies	IMREF1SSxx/110A/OM	Relay Module 1CO 110VAC (SPDT) With Input Fuse Protection
PSS18/15/1.2	1.2A,18W Single Phase Din Rail Mountable Switching Power Supplies	IMRE1SSFxx/110A/xx	Relay Module 1CO 110VAC (SPDT) With Output Fuse Fail Indication
PSS18/24/0.75	0.75A,18W Single Phase Din Rail Mountable Switching Power Supplies	IMRE1SSFxx/12/xx	Relay Module 1CO 12VDC (SPDT) With Output Fuse Fail Indication
PSS100/24/4.2	4.2A,100W Single Phase Din Rail Mountable Switching Power Supplies	IMRE2SSFxx/12/xx	Relay Module 2CO 12VDC (DPDT) With Output Fuse Fail Indication
PSS100/48/2.1	2.1A,100W Single Phase Din Rail Mountable Switching Power Supplies	IMRE2SSFxx/230A/xx	Relay Module 2CO 230VAC (DPDT) With Output Fuse Fail Indication
PSS240/24/10	10A,240W Single Phase Din Rail Mountable Switching Power Supplies	IMRE1SS16/24/DM37	Relay Module 1CO 24VDC (SPDT) With DSUB Input
PSD100/12/8.4	8.4A ,2ph/Single Phase Din Rail Mountable Switching Power Supplies	IMRE1SS16/CNCSSRxx	16 I/O CNC Interface Module with Solid State Relay

SUITABLE FOR.....

STH4DTFT	Stud Type Terminal Block
STH6	35 sq. mm Stud Type Terminal Block - with captive nuts.
CKT4SPSC	4 sq.mm Knife Type Disconnect & Test Terminal Blocks with Socket screws spring loaded.
CBS5U	M5 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.

CA601



DIN 15 Rail

Din Rail for mounting Terminal Blocks and Interface modules. Most of Connectwell's Terminal Blocks and Interface Modules are designed to be mounted on Din Rails (Channels) that can be fixed easily on panel boards and other equipment. These rails comply with European standards EN 50 035. The rails are zinc plated and chromate passivated. Accordingly to the DIN VDE 0611 part 3, steel mounting rails are permissible as grounding bus bars (PE function) but do not have the PEN function.

PRODUCT SPECIFICATION


Height	5 mm
Width (Thickness)	1 mm
Depth	15 mm
Material	Steel

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA601-1M	Din 15 Rail slotted 1 meter	50

SUITABLE FOR

CMT4	4 sq.mm Micro Terminal Blocks.
IMDC/xx/H/L	IDC/FRC Module with Component Mounting Hole
CGMT4	Micro - 4 sq.mm Ground/Earth Terminal Blocks.

<p>CA701</p> 	<p>Din 35 Rail</p> <p>Din Rail for mounting Terminal Blocks and Interface modules. Most of Connectwell's Terminal Blocks and Interface Modules are designed to be mounted on Din Rails (Channels) that can be fixed easily on panel boards and other equipment. These rails comply with European standards EN 50 022. The rails are zinc plated and chromate passivated. Accordingly to the DIN VDE 0611 part 3, steel mounting rails are permissible as grounding bus bars (PE function) but do not have the PEN function.</p>
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PRODUCT SPECIFICATION		SUITABLE FOR....	
Height	7.5 mm	IMERSFxx/05D125D2	SSR Module 1NO (SPST) 5VDC IN 125VDC OUT 2Amp With Output Fuse Protection
Width (Thickness)	1.0 mm	IMERSxx/05D400A3	SSR Module 1NO (SPST) 5VDC IN 400VAC OUT 3Amp
Depth	35 mm		

ORDERING INFORMATION			SUITABLE FOR....	
CAT. NO.	DESCRIPTION	STD. PACK	IMDSUBM/xx/L1	DSUB Module with LED Indication
CA701-1M	Din 35 Rail unslotted 1 meter	50	IMDSUBF/xx/S	Standard FEMALE DSUB Module With 1:1 Screw Connections
CA701-2M	Din 35 Rail unslotted 2 meter	50	IMDSUBF/xx/L1	FEMALE DSUB Module with LED Indication
CA701-2M-S	Din 35 Rail slotted 2 meter	50	IMRJ45/8/V	RJ45 Module with Vertical RJ45 Connector
CA701-1M-S	Din 35 Rail slotted 1 meter	50	IMV/xx/R/50	50V Varistor Module with Common Anode Configuration

SUITABLE FOR		SUITABLE FOR....	
IMDI16/xx	16CH Digital Input Module With optical Isolation	IMRE1SS16/24/IDC20	16CH Relay Interface Module for Schneider PLC
CDL4UELD4	4 sq.mm Double Level Terminal Blocks with LED indication - LD4 Configuration	CTL2.5UH	2.5 sq.mm Three Level Terminal Blocks suitable for sensor & actuator application
CKT4UD1	Knife Type 4 sq.mm Disconnect & Test Terminal Blocks with diode - D1 Configuration.	CTL2.5UH(I.S)D2	2.5 sq.mm Three Level Terminal Blocks with Diode suitable for sensor & actuator application
CSTSBS5U	Screwdriver operated M5 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.	CKT4UD2	Knife Type 4 sq.mm Disconnect & Test Terminal Blocks with diode - D2 Configuration.
PTB70/95SH	Disconnect and Test Terminal Blocks	CSTSN4U	Nut driver operated M4 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
STH4DT	Stud Type Terminal Block	PTB35/50	50 sq.mm Stud Type Power Terminal Blocks
CKT4U	4 sq.mm Knife Type Disconnect & Test Terminal Blocks with Socket screws	STH4DTSH	-2146826246
CDTTUSH	Disconnect & Test Terminal Block	CTS10USC	10 sq.mm Spring Loaded Terminal Blocks
CDS6U/SC	6 sq.mm Disconnect & Test Terminal Blocks	CGT6N	6 sq.mm Ground / Earth Terminal Blocks
CDL4UELD1-24V	4 sq.mm Double Level Terminal Blocks with LED indication -LD1 Configuration	CGT16N	16 sq.mm Ground / Earth Terminal Blocks
CDL4UEDD4	4 sq.mm Terminal Blocks with diode circuit - DD4 configuration	CDL4UESD	4 sq.mm Surge Suppression Terminal Blocks - with surge suppression diode.
CDL4UEDD1	4 sq.mm Terminal Blocks with diode circuit - DD1 configuration	CDL4UELD2	4 sq.mm Double Level Terminal Blocks with LED indication - LD2 Configuration
CDL4U(E)3LA	4 sq.mm Surge Suppression Terminal Blocks	CDL4UED1	4 sq.mm Terminal Blocks with diode circuit - D1 configuration
CDB10	Modular Distribution Blocks with 10 sq.mm Output connections and 35 sq.mm Bolt Type Input Connection	CDB25	Modular Distribution Blocks with 25 sq.mm Output connections and 50 sq.mm Bolt Type Input Connection
CMDB25	25 sq.mm Modular Distribution Blocks.	CMDB10	10 sq.mm Modular Distribution Blocks.
CTS35UNA	35 sq.mm Feed Through Terminal Blocks with Allen Screws	CAFL4UN	Fuse Terminal Blocks
DDDL4U	4 sq.mm Disconnect & Test Terminal Blocks with disconnecting link.	CDB6	Modular Distribution Blocks with 6 sq.mm Output connections and 25 sq.mm Bolt Type Input Connection
CTS50/70NA	50/70 sq.mm Feed Through Terminal Blocks with Allen Screws	CDL4UEDD5	4 sq.mm Terminal Blocks with diode circuit - DD5 configuration
CAFL4UL	4 sq.mm Fuse Terminal Blocks with offline LED indication.	CDL4UEL2	4 sq.mm Double Level Terminal Blocks with LED indication - L2 Configuration
CSFL4U	4 sq.mm Fuse Terminal Blocks.	CDL4U(I.S)	4 sq.mm Double Level Internally Shorted Terminal Blocks.
CDL4UELD5	4 sq.mm Double Level Terminal Blocks with LED indication - LD5 Configuration	CF4U	4 sq.mm Single Level Fuse Terminal Blocks
CDL4UEN1	4 sq.mm Terminal Blocks with Neon Lamp indicator.	CTS4USC	4 sq.mm Spring Loaded Feed Through Terminal Blocks
IMD/S/xx	Standard Individual Diode Module	CTT2.5U	2.5 sq.mm Thermocouple Terminal Blocks.
IMDLT/DC/CA/xx	Common Anode DC Lamp Test Module	DB35	35 sq.mm Compact Distribution Blocks.
IMDLT/DC/S/xx	Individual DC Lamp Test Module	IMIDC/xx/H/L	IDC/FRC Module with Component Mounting Hole
DB16	16 sq.mm Compact Distribution Blocks.	ODL4UA	Stackable 4 sq.mm Offset Double Level Terminal Blocks.
DDFL4U	4 sq.mm Double Level Fuse Terminal Blocks.	IMIDC/xx/SC/L	Spring Cage IDC/FRC Module With 1:1 Spring Connections
DDFL4ULR	4 sq.mm Double Level Fuse Terminal Blocks with two equi-potential points on each side.	IMERSxx/12D400A3	SSR Module 1NO (SPST) 12VDC IN 400VAC OUT 3Amp
IMF/xx/S	Standard Fuse Module with Single Fuse per Channel	IMERSxx/24D125D2	SSR Module 1NO (SPST) 24VDC IN 125VDC OUT 2Amp
IMERSxx/05D125D2	SSR Module 1NO (SPST) 5VDC IN 125VDC OUT 2Amp	IMERSFxx/05D400A3	SSR Module 1NO (SPST) 5VDC IN 400VAC OUT 3Amp With Output Fuse Protection
IMRE1SS16/SLC	32 I/O Interface Module for Allen Bradley SLC 500 PLC	IMERSFxx/12D125D2	SSR Module 1NO (SPST) 12VDC IN 125VDC OUT 2Amp With Output Fuse Protection
IMRE1SS16/CNC	16 I/O CNC Interface Module	IMERSFxx/24D400A3	SSR Module 1NO (SPST) 24VDC IN 400VAC OUT 3Amp With Output Fuse Protection
IMRE1SS16/CNCSSRxx	16 I/O CNC Interface Module with Solid State Relay	IMTRFxx/24N/24N	Transistor Module Sink To Sink Type With Fuse Protection (-24 VDC Input)
IMSER1/24D48D0.1	Slim SSR Module 24VDC IN 48 VDC OUT 0.1 Amp	IMRE/DO16/24/DM37	16 CH Digital Output(DO) Relay Interface Module
IMSR1SS1/230A	Slim Relay Module 1CO 230VAC		
IMSR1SS1/05	Slim Relay Module 1CO 5VDC		

SUITABLE FOR.....		SUITABLE FOR.....	
IMRJ45/8/HS	RJ45 Module with Shielded Horizontal RJ45 Connector	PSB3/33/12/2.75	2.75A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
IMSER1/24A48D0.1	Slim SSR Module 24VAC IN 48 VDC OUT 0.1 Amp	PSB4/60/15/4	4A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
IMSER1/24D380A2	Slim SSR Module 24VDC IN 380 VAC OUT 2 Amp	PSB5/100/24/3.8-L	4.2A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
IMDSUBM/xx/H	MALE DSUB Module with Component Mounting Hole	PSS10/15/0.67	0.67A,10W Single Phase Din Rail Mountable Switching Power Supplies
IMCC/xx	Component Carrier Module	PSS15/5/3	3A,15W Single Phase Din Rail Mountable Switching Power Supplies
IMDLT/AC/xx	AC Lamp Test Module	PSS30/12/2.5	2.5A,30W Single Phase Din Rail Mountable Switching Power Supplies
IMV/xx/S/130	130V Varistor Module with Single Varistor per Channel	PSS60/12/5	5A,60W Single Phase Din Rail Mountable Switching Power Supplies
IMRE1SSF16/CNC	16 I/O CNC Interface Module with Output Fuse Protection	PSS120/24/5	5A,120W Single Phase Din Rail Mountable Switching Power Supplies
CDLG2.5	Two Level + Ground Feed through Terminal block	PSS300/24/12.5	12.5A,300W Single Phase Din Rail Mountable Switching Power Supplies
CGT10U	10 sq.mm Ground / Earth Terminal Blocks for multi-rail mounting	PSS480/48/10	10A,480W Single Phase Din Rail Mountable Switching Power Supplies
CF4UL	4 sq.mm Single Level Fuse Terminal Blocks with LED indication.	PST120/12/10	10A ,3 Phase Din Rail Mountable Switching Power Supplies
CDINS16	CDINS16 : Din Rail Mounting Socket & Switch	PST480/48/10	10A ,3 Phase Din Rail Mountable Switching Power Supplies
CDINSUK	CDINSUK : Din Rail Mounting Socket & Switch	IMTRxx/24N/24N	Transistor Module Sink To Sink Type (+24 VDC Input)
CDB4	Modular Distribution Blocks with 4 sq.mm Output connections and 16 sq.mm Bolt Type Input Connection	CBS3U	M3 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
PSB2/24/12/2	2A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies	CF4SP	4 sq.mm Single Level Fuse Terminal Blocks with Jumper possibility
PSB3/22.5/5/4.5	4.5A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies	IMRE1SSxx/12/OM	Relay Module 1CO 12VDC (SPDT)
PSB3/36/24/1.5	1.5A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies	IMRE2SSxx/24/OM	Relay Module 2CO 24VDC (DPDT)
PSB4/60/24/2.5	2.5A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies	IMRE1SSxx/24/OM	Relay Module 1CO 24VDC (SPDT)
PSB5/75/15/5	5A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies	IMRE4SSxx/110A/OM	Relay Module 4CO 110VAC (4PDT)
PSS5/12/0.42	0.42A ,5W Single Phase Din Rail Mountable Switching Power Supplies	IMRE1SSxx/230A/OM	Relay Module 1CO 230VAC (SPDT)
PSS5/24/0.21	0.21A,5W Single Phase Din Rail Mountable Switching Power Supplies	IMSR1SS1/48	Slim Relay Module 1CO 48VDC
PSS10/5/2	2A,10W Single Phase Din Rail Mountable Switching Power Supplies	IMSR1SS1/60	Slim Relay Module 1CO 60VDC
PSS10/24/0.42	0.42A,10W Single Phase Din Rail Mountable Switching Power Supplies	IMRE1SSxx/24A/RECT	Relay Module 1CO 24VAC (SPDT) Rectifier Version
PSS30/5/6	PSS30/5/6,30W Single Phase Din Rail Mountable Switching Power Supplies	IMRE2SSFxx/110A/OM	Relay Module 2CO 110VAC (DPDT) With Output Fuse Protection
PSS30/48/0.63	0.63A,30W Single Phase Din Rail Mountable Switching Power Supplies	IMREF1SSxx/24/OM	Relay Module 1CO 24VDC (SPDT)With Input Fuse Protection
PSS60/24/2.5	2.5A,60W Single Phase Din Rail Mountable Switching Power Supplies	IMREF1SSxx/110A/OM	Relay Module 1CO 110VAC (SPDT) With Input Fuse Protection
PSS100/12/8.4	8.4A,100W Single Phase Din Rail Mountable Switching Power Supplies	IMRE1SSFxx/110A/xx	Relay Module 1CO 110VAC (SPDT) With Output Fuse Fail Indication
PSS100/24/3.8-L	3.8A,100W Single Phase Din Rail Mountable Switching Power Supplies	IMRE1SSFxx/12/xx	Relay Module 1CO 12VDC (SPDT) With Output Fuse Fail Indication
PSS120/12/10	10A,120W Single Phase Din Rail Mountable Switching Power Supplies	IMRE2SSFxx/12/xx	Relay Module 2CO 12VDC (DPDT) With Output Fuse Fail Indication
PSS120/24/3.8-L	3.8A,120W Single Phase Din Rail Mountable Switching Power Supplies	IMRE2SSFxx/230A/xx	Relay Module 2CO 230VAC (DPDT) With Output Fuse Fail Indication
PSS240/48/5	5A,240W Single Phase Din Rail Mountable Switching Power Supplies	IMRE1SS16/24/DM37	Relay Module 1CO 24VDC (SPDT) With DSUB Input
PSS300/48/6.25	6.25A,300W Single Phase Din Rail Mountable Switching Power Supplies	IMMR2SS1/24	DIN RAIL Mountable 2CO 24VDC Modular Relay Module
PSD100/24/4.2	4.2A ,2ph/Single Phase Din Rail Mountable Switching Power Supplies	IMMR2SS1/24A	DIN RAIL Mountable 2CO 24VAC Modular Relay Module
PST120/24/5	5A ,3 Phase Din Rail Mountable Switching Power Supplies	IMMR4SS1/24A	DIN RAIL Mountable 4CO 24VAC Modular Relay Module
PST480/24/20	20A ,3 Phase Din Rail Mountable Switching Power Supplies	IMRE1SS16/CNCSSRxx	16 I/O CNC Interface Module with Solid State Relay
CKT4SP	4 sq.mm Knife Type Disconnect & Test Terminal Blocks with Socket screws and with possibility of using Jumpers	DB120	120 sq.mm Compact Distribution Blocks.
IMRE1SSF16/CNC	16 I/O CNC Interface Module with Output Fuse Protection	DB185	185 sq.mm Compact Distribution Blocks.
IMRE2SS8/24/ECO	Economical Relay Module 2CO 8CH 24VDC (DPDT)-(Compact Version)	CMCG4	4 sq.mm Multiple Connection Earthing Terminal Blocks with 4 connection points.
IMRE4SSxx/24/OM	Relay Module 4CO 24VDC (4PDT)	CSC2.5T	2.5 sq.mm Spring Clamp Feed Through Terminal Blocks
IMRE2SSXX/230A/RECT	Relay Module 2CO 230VAC (DPDT) Rectifier Version	CSC10T	10 sq.mm Spring Clamp Feed Through Terminal Blocks
IMSR1SS1/24	Slim Relay Module 1CO 24VDC	CSC2.5T1-2	2.5 sq.mm Multiple Connection Feed Through Spring Clamp Terminal Blocks with 3 connection points.
IMSR1SS1/12A	Slim Relay Module 1CO 12VAC	ADL2.5	2.5 sq.mm Angular Double Level Spring Clamp Terminal Blocks
IMRE2SSFxx/12/OM	Relay Module 2CO 12VDC (DPDT) With Output Fuse Protection	ADL2.5(E)D1	2.5 sq.mm Angular Double Level Spring Clamp Terminal Blocks with diode circuit - D1 Configuration
IMREF2SSxx/110A/OM	Relay Module 2CO 110VAC (DPDT) With Input Fuse Protection	ATLG2.5	2.5 sq.mm Triple Level and Grounding Spring Clamp Terminal Blocks
IMREF2SSxx/24/OM	Relay Module 2CO 24VDC (DPDT) With Input Fuse Protection	CSCG4T	4 sq.mm Feed Through Ground/Earth Spring Clamp Terminal Blocks
IMRE2SSFxx/110A/xx	Relay Module 2CO 110VAC (DPDT) With Output Fuse Fail Indication	CSCG16T	16 sq. mm Ground/Earth Spring Clamp Terminal Blocks
IMRE2SSFxx/24/xx	Relay Module 2CO 24VDC (DPDT) With Output Fuse Fail Indication	CSC4T(E)D2	4 sq.mm Spring Clamp Terminal Blocks with Electronic Components
IMMR2SS1/230A	DIN RAIL Mountable 2CO 230VAC Modular Relay Module	AGT4	4 sq.mm Angular Spring Clamp Ground / Earth Terminal Blocks.
IMMR4SS1/110A	DIN RAIL Mountable 4CO 110VAC Modular Relay Module	AGT6	6 sq.mm Angular Spring Clamp Ground / Earth Terminal Blocks.
CM4USC	4 sq.mm Spring Loaded Feed Through Terminal Blocks	CX4	4 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CBDT4U	Disconnect and Test Terminal Blocks	CX4/3	4 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CBB35/50LS	50 sq.mm Stud Type Power Terminal Blocks	CXG2.5/4	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CBB95LS	95 sq.mm Stud Type Power Terminal Blocks	CXDL2.5	2.5 sq.mm Double Level Spring Clamp Terminal Blocks
CBB185	185 sq.mm Stud Type Power Terminal Blocks	CXDL2.5(E)DD1	2.5 sq.mm Terminal Blocks with diode circuit - DD1 configuration
CX10	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks	CXDL2.5(E)DD4	2.5 sq.mm Terminal Blocks with diode circuit - DD4 configuration
CXF4	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks	AS2.5/4	Angular Multiple Connection Spring Terminal Blocks with 4 connection points.
CTLG2.5	Three Level + Ground Feed through Terminal block	CXSG2.5	2.5 sq.mm feed Through Ground/Earth Spring Clamp Terminal Blocks
CSFL4UL	4 sq.mm Fuse Terminal Blocks with offline LED indication.	CX10	10 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CTS25UN	25 sq.mm Standard Feed Through Terminal Blocks		
PSB1/10/12/0.83	0.83A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies		
PSB2/15/5/3	3A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies		

SUITABLE FOR.....	
CX10/3	10 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXF4	4 sq.mm Spring Clamp Fuse compact Terminal Blocks
CXK2.5/4	2.5 sq.mm Spring Clamp knife disconnecting compact Terminal Blocks
CXDL2.5(E)LD1	2.5 sq.mm Double Level Terminal Blocks with LED indication -LD1 Configuration
CDS6U/FTS	6 sq.mm Disconnect & Test Terminal Blocks
CTS25UN	25 sq.mm Standard Feed Through Terminal Blocks
CXG4	4 sq.mm Spring Clamp earthing compact Terminal Blocks
STH4DTFT	Stud Type Terminal Block
STH6	35 sq. mm Stud Type Terminal Block - with captive nuts.
CBB150LS	150 sq.mm Stud Type Power Terminal Blocks
CBB185LS	185 sq.mm Stud Type Power Terminal Blocks
CKT4SPSC	4 sq.mm Knife Type Disconnect & Test Terminal Blocks with Socket screws spring loaded.
CBS5U	M5 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CXK2.5	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CSC16T	16 sq.mm Spring Clamp Feed Through Terminal Blocks
CSC2.5T2-2	2.5 sq.mm Multiple Connection Feed Through Spring Clamp Terminal Blocks with 4 connection points.
ADL2.5(E)D2	2.5 sq.mm Angular Double Level Spring Clamp Terminal Blocks with diode circuit - D2 Configuration
CSCG2.5T	2.5 sq.mm feed Through Ground/Earth Spring Clamp Terminal Blocks
CSCDK2.5/4	2.5 sq.mm Knife Contact Type Disconnect & Test Spring Clamp Terminal Blocks with 4 connection points
AGT2.5	2.5 sq.mm Angular Spring Clamp Ground / Earth Terminal Blocks.
AGT4/4	4 sq.mm Angular Spring Clamp Ground / Earth - Multiple Connection Terminal Blocks with 4 connection points.
CX6	6 sq.mm Spring Clamp Feed Through compact Terminal Blocks.
CX4/4	4 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXG2.5/3	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXDLG2.5	2.5 sq.mm Double Level Earthing Terminal Blocks.
CXDL2.5(E)D3	2.5 sq.mm Terminal Blocks with diode circuit - D3 configuration
CXG6/3	6 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CSTSN5U	Nut driver operated M5 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
PTB70/95	95 sq.mm Stud Type Power Terminal Blocks
CSTSN6U	Nut driver operated M6 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
CKT4U/S	4 sq.mm Knife Type Disconnect & Test Terminal Blocks with Standard screws
CGT10N	10 sq.mm Ground / Earth Terminal Blocks
CDS6U/FT	6 sq.mm Disconnect & Test Terminal Blocks
CDL4UELA	4 sq.mm Surge Suppression Terminal Blocks with Lightning Arrestor.
CDL4UEDD3	4 sq.mm Terminal Blocks with diode circuit - DD3 configuration
CDL4UED3	4 sq.mm Terminal Blocks with diode circuit - D3 configuration
CDB4(1)	Modular Distribution Blocks with 4 sq.mm Output connections and 16 sq.mm Bolt Type Input Connection
CKT4U/4	4 sq.mm Disconnect & Test Terminal Blocks with Knife Type disconnecting contact and multiple connection points.
CMDB4	4 sq.mm Modular Distribution Blocks.
CMDB6	6 sq.mm Modular Distribution Blocks.
CTS6U	6 sq.mm Standard Feed Through Terminal Blocks
CTS10U	10 sq. mm Standard Feed Through Terminal Blocks
CTS35UN	35 sq.mm Feed Through Terminal Blocks with Slotted Screws
CTS95/120N	95/120 sq.mm Feed Through Terminal Blocks with Allen Screws
CDL4UELD3	CDL4U(E)LD3 : 4 sq.mm Double Level Terminal Blocks with LED indication - LD3 Configuration
CHV4U	4 sq.mm High Voltage Terminal Blocks.
CTS6USC	6 sq.mm Spring Loaded Feed through Terminal Blocks
CHV10U	10 sq. mm High Voltage Terminal Blocks.
IMIDCxx/L/L	IDC/FRC Module with LED Indication.
IMFI/xx/S/xx	Fuse Fail Indication Module with Single Fuse per Channel
IMERSxx/24D400A3	SSR Module 1NO (SPST) 24VDC IN 400VAC OUT 3Amp
IMERSFxx/12D400A3	SSR Module 1NO (SPST) 12VDC IN 400VAC OUT 3Amp With Output Fuse Protection
IMERSFxx/24D125D2	SSR Module 1NO (SPST) 24VDC IN 125VDC OUT 2Amp With Output Fuse Protection
IMOPTRxx/24P/24P	Opto Transistor Module Source To Source Type (+24 VDC Input)
IMRC32/0.22/xx/xx	Rail Mount 32 Channel Resistor-Capacitor(RC) module
IMRE1OS16/24/IDC20	16CH 1NO Relay Interface Module for Schneider PLCtest
IMSER1/24D48D4	Slim SSR Module 24VDC IN 48 VDC OUT 4 Amp
IMMR1SS1/24A	DIN RAIL Mountable 1CO 24VAC Modular Relay Module
IMSR1SS1/24A	Slim Relay Module 1CO 24VAC
IMOPTRFxx/24P/24P	Opto Transistor Module Source To Source Type With Fuse Protection (+24 VDC Input)
IMD/CA/xx	Common Anode Diode Module

SUITABLE FOR.....	
IMV/xx/R/275	275V Varistor Module with Common Anode Configuration
IMV/xx/S/50	50V Varistor Module with Single Varistor per Channel
IMMR1SS1/110A	DIN RAIL Mountable 1CO 110VAC Modular Relay Module
CTL2.5U(I,S)	2.5 sq.mm Three Level internally shorted Terminal Blocks
CTL2.5UL	2.5 sq.mm Three Level Feed through Terminal Block with LED
CGT4U	4 sq.mm Ground / Earth Terminal Blocks for multi-rail mounting
DDFL4UELR	4 sq.mm Double Level Fuse Terminal Blocks with two equal-potential points on each side and offline LED indication.
CDL4U	4 sq.mm Double Level Terminal Blocks.
CTS2.5UE	2.5 sq.mm, 6 mm thick Feed Through Terminal Block
CDINSW1	CDINSW1 : Din Rail Mounting Socket & Switch
CDINSW2	CDINSW2 : Din Rail Mounting Socket & Switch
PSB1/7.5/5/1.5	1.5A, Single Phase Din Rail Mountable Step Type Switching Power Suppliestest
PSB1/10/15/0.67	0.67A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSB1/10/24/0.42	0.42A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSB2/24/15/1.6	1.6A, Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSB3/36/15/2.4	2.4A, Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSB4/54/12/4.5	4.5A, Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSB5/60/5/12	12A, Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSS5/5/1	1A,Single Phase Din Rail Mountable Switching Power Supplies
PSS10/12/0.84	0.84A,10W Single Phase Din Rail Mountable Switching Power Supplies
PSS18/12/1.5	1.5A,18W Single Phase Din Rail Mountable Switching Power Supplies
PSS30/24/1.25	1.25A,30W Single Phase Din Rail Mountable Switching Power Supplies
PSS50/5/10	10A,50W Single Phase Din Rail Mountable Switching Power Supplies
PSS60/48/1.25	1.25A,60W Single Phase Din Rail Mountable Switching Power Supplies
PSS120/48/2.5	2.5A,120W Single Phase Din Rail Mountable Switching Power Supplies
PSS480/24/20	20A,480W Single Phase Din Rail Mountable Switching Power Supplies
PSD100/48/2.1	2.1A ,2ph/Single Phase Din Rail Mountable Switching Power Supplies
PST960/24/40	40A, 3 Phase Din Rail Mountable Switching Power Supplies
CSB3/N3U	M3 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.
IMRE2SSxx/12/OM	Relay Module 2CO 12VDC (DPDT)
IMRE2SSxx/110A/OM	Relay Module 2CO 110VAC (DPDT)
IMRE2SSxx/230A/OM	Relay Module 2CO 230VAC (DPDT)
IMSR1SS1/60A	Slim Relay Module 1CO 60VAC
IMRE1SSFxx/24/OM	Relay Module 1CO 24VDC (SPDT) With Output Fuse Protection
IMREF1SSxx/230A/OM	Relay Module 1CO 230VAC (SPDT) With Input Fuse Protection
IMREF2SSxx/12/OM	Relay Module 2CO 12VDC (DPDT) With Input Fuse Protection
IMRE1SSFxx/230A/xx	Relay Module 1CO 230VAC (SPDT) With Output Fuse Fail Indication
IMRE2SS16/24/DM37	Relay Module 2CO 24VDC (DPDT) With DSUB Input
IMMR4SS1/24	DIN RAIL Mountable 4CO 24VDC Modular Relay Module
IMRE1O2/24/OEN-530	1NO 2CH 24VDC 70Amp Heavy Duty Relay Card
DB70	70 sq.mm Compact Distribution Blocks.
CDLG4(I,S)	4 sq.mm Multiple Connection Earthing Terminal Blocks with 4 connection points.
CF4SPFT	4 sq.mm Standard Feed Through Terminal Blocks
CBB120	120 sq.mm Stud Type Power Terminal Blocks
CBB120LS	120 sq.mm Stud Type Power Terminal Blocks
CDTTUSC	10 sq.mm Disconnect & Test Terminal Blocks
CDTTUFT	10 sq. mm Feed Through Terminal Blocks
CSB5/N5U	M5 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.
IMSR1SS1/110A	Slim Relay Module 1CO 110VAC
CX10/3	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXG10/3	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXK2.5/4	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CSC4T	4 sq.mm Feed Through Spring Clamp Terminal Blocks.
CSC4T1-2	4 sq.mm Multiple connections Feed Through Spring Clamp Terminal Blocks with 3 connection points.
CSC2.5T2-2P	2.5 sq.mm Feed Through Spring Clamp Terminal Blocks - For Dual Potential Systems.
ATL2.5	2.5 sq.mm Triple Level Spring Clamp Terminal Blocks
CSCG10T	10 sq. mm Ground/Earth Spring Clamp Terminal Blocks
ASF4	4 sq.mm Spring Clamp Fuse Terminal Blocks
CSCDK2.5	2.5 sq.mm Knife Contact Type Disconnect & Test Spring Clamp Terminal Blocks
CSC4T(E)D1	4 sq.mm Spring Clamp Terminal Blocks with Electronic Components
AS2.5	2.5 sq.mm Angular Feed Through Spring Terminal Blocks.

SUITABLE FOR.....		SUITABLE FOR.....	
AS4	4 sq.mm Angular Feed Through Spring Terminal Blocks.	PSR10	10 A Redundant Module Din Rail Mountable
AGT2.5/3	2.5 sq.mm Angular Spring Clamp Ground / Earth - Multiple Connection Terminal Blocks with 3 connection points.	PSR20	20 A Redundant Module Din Rail Mountable
AGT4/3	4 sq.mm Angular Spring Clamp Ground / Earth - Multiple Connection Terminal Blocks with 3 connection points.	PSB2/24/24/1	1A, Single Phase Din Rail Mountable Step Type Switching Power Supplies
CX2.5	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks	PSB4/35/5/7	7A, Single Phase Din Rail Mountable Step Type Switching Power Supplies
CX6/3	6 sq.mm Spring Clamp Feed Through compact Terminal Blocks	PSB5/72/12/6	6A, Single Phase Din Rail Mountable Step Type Switching Power Supplies
CXG6	6 sq.mm Ground/Earth Spring Clamp Compact Terminal Blocks	PSS5/15/0.34	0.34A, 5W Single Phase Din Rail Mountable Switching Power Supplies
CXDL2.5(I.S)	2.5 sq.mm Multiple Connection Internally shorted Terminal Blocks with 4 connection points.	PSS18/15/1.2	1.2A, 18W Single Phase Din Rail Mountable Switching Power Supplies
CXDL2.5(E)D2	2.5 sq.mm Terminal Blocks with diode circuit - D2 configuration	PSS18/24/0.75	0.75A, 18W Single Phase Din Rail Mountable Switching Power Supplies
AS2.5/3	2.5 sq.mm Angular Multiple Connection Spring Terminal Blocks with 3 connection points.	PSS100/24/4.2	4.2A, 100W Single Phase Din Rail Mountable Switching Power Supplies
AS4/3	4 sq.mm Angular Multiple Connection Spring Terminal Blocks with 3 connection points.	PSS100/48/2.1	2.1A, 100W Single Phase Din Rail Mountable Switching Power Supplies
AS6/3	6 sq.mm Angular Multiple Connection Spring Terminal Blocks with 3 connection points.	PSS240/24/10	10A, 240W Single Phase Din Rail Mountable Switching Power Supplies
CXG10/3	10 sq.mm Spring Clamp Feed Through compact Terminal Blocks	PSD100/12/8.4	8.4A, 2ph/Single Phase Din Rail Mountable Switching Power Supplies
CXF4L	4 sq.mm Spring Clamp Fuse compact Terminal Blocks	PST240/24/10	10A, 3 Phase Din Rail Mountable Switching Power Supplies
CXCC4	4 sq.mm Component carrier spring clamp terminal block	PST240/48/5	5A, 3 Phase Din Rail Mountable Switching Power Supplies
CSTSB4U	Screwdriver operated M4 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.	PST960/24/40-E	40A, 3 Phase Din Rail Mountable Switching Power Supplies Economical
PTB35/50SH	50 sq.mm Stud Type Power Terminal Blocks with Hinged Protective Cover	PST960/48/20	20A, 3 Phase Din Rail Mountable Switching Power Supplies
STH4	4 sq. mm Stud Type Terminal Block - with captive nuts.	CBB35/50	50 sq.mm Stud Type Power Terminal Blocks
CMC1-2	4 sq.mm Multiple Connection Terminal Blocks with 3 connection points.	IMRE1SS16/CNC	16 I/O CNC Interface Module
CGT4N	4 sq.mm Ground / Earth Terminal Blocks	IMRE1SS8/24/RED	Redundant Relay Module 1CO 24VDC (SPDT)
CDS6U/TS	6 sq.mm Disconnect & Test Terminal Blocks	IMRE1SSxx/110A/OM	Relay Module 1CO 110VAC (SPDT)
CDS6U	6 sq.mm Disconnect & Test Terminal Blocks	IMRE4SSxx/230A/OM	Relay Module 4CO 230VAC (4PDT)
CDL4U(E)RC	4 sq.mm Terminal Blocks with inbuilt RC circuit.	IMSR1SS1/12	Slim Relay Module 1CO 12VDC
CDL4UEMOV	4 sq.mm Surge Suppression Terminal Blocks with MOV	IMSR1SS1/48A	Slim Relay Module 1CO 48VAC
CDL4UEDD2	4 sq.mm Terminal Blocks with diode circuit - DD2 configuration	IMRE1SSFxx/110A/OM	Relay Module 1CO 110VAC (SPDT) With Output Fuse Protection
CDL4UED2	4 sq.mm Terminal Blocks with diode circuit - D2 configuration	IMRE1SSFxx/230A/OM	Relay Module 1CO 230VAC (SPDT) With Output Fuse Protection
CSDL4U	4 sq.mm Disconnect & Test Terminal Blocks - With Disconnecting Brass Link.	IMRE2SSFxx/230A/OM	Relay Module 2CO 230VAC (DPDT) With Output Fuse Protection
CTS4UN	4 sq.mm Standard Feed Through Terminal Blocks	IMRE2SSFxx/24/OM	Relay Module 2CO 24VDC (DPDT) With Output Fuse Protection
CTS16U	16 sq.mm Standard Feed Through Terminal Blocks	IMREF1SSxx/12/OM	Relay Module 1CO 12VDC (SPDT) With Input Fuse Protection
CTLG2.5EMOV	2.5 sq.mm Triple Level Surge Suppression Terminal Blocks with additional grounding point.	IMREF2SSxx/230A/OM	Relay Module 2CO 230VAC (DPDT) With Input Fuse Protection
CTC4U	Tab Connection Terminal Blocks suitable for 4 sq.mm wire	IMRE1SSFxx/24/xx	Relay Module 1CO 24VDC (SPDT) With Output Fuse Fail Indication
CDL4UED4	4 sq.mm Terminal Blocks with diode circuit - D4 configuration	IMMR4SS1/230A	DIN RAIL Mountable 4CO 230VAC Modular Relay Module
CDL4UEL1	4 sq.mm Double Level Terminal Blocks with LED indication - L1 Configuration	CBB70	70 sq.mm Stud Type Power Terminal Blocks
CDL4U(O)	4 sq.mm Double Level Terminal Blocks with open type current bars to house electronic components.	DB25	25 sq.mm Compact Distribution Blocks.
CDL4UN(I.S)	4 sq.mm Double Level Internally Shorted Terminal Blocks.	CF4SPL	4 sq.mm Single Level Fuse Terminal Blocks with LED indication.
CDTTU	6 sq.mm Disconnect & Test Terminal Blocks with Universal Mounting Possibility.	CBS4U	M4 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
IMD/CK/xx	Common Cathode Diode Module	CSB4/N4U	M4 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.
IMDLT/DC/CK/xx	Common Cathode DC Lamp Test Module	STH3	6 sq. mm Stud Type Terminal Block - with captive nuts.
CHV6U	6 sq.mm High Voltage Terminal Blocks.	CSB3/N3UL	M3 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.
DDFL4UE	4 sq.mm Double Level Fuse Terminal Blocks with offline LED indication.	CBB95	95 sq.mm Stud Type Power Terminal Blocks
CMC2-2	4 sq.mm Multiple Connection Terminal Blocks with 4 connection points.	CBB70LS	70 sq.mm Stud Type Power Terminal Blocks
ODL4U	4 sq.mm Offset Double Level Terminal Blocks.	CBB150	150 sq.mm Stud Type Power Terminal Blocks
IMDC/xx/S/L	Standard IDC/FRC Module with 1:1 Screw Connections	CDTTUFTSC	10 sq.mm Spring Loaded Feed Through Terminal Blocks
IMRE/DI16/24/DM37	16 CH Digital Input(DI) Relay Interface Module	CCC4U	Component carrier terminal block
IMRE1SS16/PLC	32 I/O Interface Module for SIEMENS SIMATIC S7-300/ET200MPLC	CTS25UN	25 sq.mm Standard Feed Through Terminal Blocks
IMSER1/24A380A2	Slim SSR Module 24VAC IN 380 VAC OUT 2 Amp	CSC6T	6 sq.mm Spring Clamp Feed Through Terminal Blocks.
IMSER1/24A48D4	Slim SSR Module 24VAC IN 48 VDC OUT 4 Amp	CSC4T2-2	4 sq.mm Multiple Connection Feed through Spring Clamp Terminal Blocks with 4 connection points.
IMERSxx/12D125D2	SSR Module 1NO (SPST) 12VDC IN 125VDC OUT 2Amp	CSC6T1-2	6 sq.mm Multiple Connection Feed Through Spring Clamp Terminal Blocks with 3 connection points.
IMDSUBF/xx/H	FEMALE DSUB Module with Component Mounting Hole	ADL2.5(I.S)	2.5 sq.mm Angular Double Level Spring Clamp Terminal Blocks, Internally Shorted
IMDSUBM/xx/S	Standard MALE DSUB Module With 1:1 Screw Connections	ADLG2.5	2.5 sq.mm Double Level and Grounding Terminal Blocks
IMDSUBM/xx/SC	MALE DSUB Module with 1:1 Spring Connections	ATL2.5H	2.5 sq.mm Triple Level Half Spring Clamp Terminal Blocks
IMDSUBF/xx/SC	FEMALE DSUB Module with 1:1 Spring Connections	CSCG6T	6 sq.mm Feed Through Ground/Earth Spring Clamp Terminal Blocks
IMV/xx/R/130	130V Varistor Module with Common Anode Configuration	ASF4(L)	4 sq.mm Spring Clamp Fuse Terminal Blocks with LED indication
IMV/xx/S/275	275V Varistor Module with Single Varistor per Channel	CSC2.5T/4(E)D3	2.5 sq.mm Spring Clamp Terminal Blocks with diode circuit - D3 Configuration
IMMR1SS1/230A	DIN RAIL Mountable 1CO 230VAC Modular Relay Module	AS6	6 sq.mm Angular Feed Through Spring Terminal Blocks.
CTS2.5UN	2.5 sq.mm, 5 mm thick Feed Through Terminal Block	AGT2.5/4	2.5 sq.mm Angular Spring Clamp Ground / Earth - Multiple Connection Terminal Blocks with 4 connection points.
CTL2.5U	2.5 sq.mm Three Level Feed through Terminal Blocks	AGT6/3	6 sq.mm Angular Spring Clamp Ground / Earth - Multiple Connection Terminal Blocks with 3 connection points.
CTL2.5UHL	2.5 sq.mm Three Level Terminal Blocks with LED suitable for sensor & actuator application	CX2.5/3	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CDL4UN	4 sq.mm Double Level Terminal Blocks.	CX2.5/4	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CGT35U	35 sq.mm Ground / Earth Terminal Blocks for multi-rail mounting	CXG2.5	2.5 sq.mm Ground/Earth Spring Clamp Terminal Blocks
CAFL4U	4 sq.mm Fuse Terminal Blocks	CXG4/3	4 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CTS50/70N	50/70 sq.mm Feed Through Terminal Blocks with Slotted Screws		
CDINS6	CDINS6 : Din Rail Mounting Socket & Switch		
CDINS4	CDINS4 : Din Rail Mounting Socket & Switch		

SUITABLE FOR.....	
CXG4/4	4 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXDLG2.5(L.S)	2.5 sq.mm Multiple Connection Earthing Terminal Blocks with 4 connection points.
CXDL2.5(E)D1	2.5 sq.mm Terminal Blocks with diode circuit - D1 configuration
CXDL2.5(E)DD2	2.5 sq.mm Terminal Blocks with diode circuit - DD2 configuration
CXDL2.5(E)DD3	2.5 sq.mm Terminal Blocks with diode circuit - DD3 configuration
AS4/4	4 sq.mm Angular Multiple Connection Spring Terminal Blocks with 4 connection points.
CXS2.5	2.5 sq.mm Spring Clamp Feed Through Side Entry Terminal Blocks
CXG10	10 sq.mm Spring Clamp Earthing compact Terminal Blocks
CXK2.5	2.5 sq.mm Spring Clamp knife disconnecting compact Terminal Blocks
CXK4	4 sq.mm Spring Clamp knife disconnecting compact Terminal Blocks
CXK4/4	4 sq.mm Spring Clamp knife disconnecting compact Terminal Blocks
CXDL2.5(E)LD2	2.5 sq.mm Double Level Terminal Blocks with LED indication -LD2 Configuration
CXDL2.5(E)TS1	2.5 sq.mm Double Level Terminal Blocks with Temperature Sensor indication - TS1 Configuration

CA701-15



Din 35 Rail

Din Rail for mounting Terminal Blocks and Interface modules. Most of Connectwell's Terminal Blocks and Interface Modules are designed to be mounted on Din Rails (Channels) that can be fixed easily on panel boards and other equipment. These rails comply with European standards EN 50 022. The rails are zinc plated and chromate passivated. Accordingly to the DIN VDE 0611 part 3, steel mounting rails are permissible as grounding bus bars (PE function) but do not have the PEN function.

PRODUCT SPECIFICATION

Height	15 mm
Width (Thickness)	1.5 mm
Depth	35 mm
Material	Steel

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

SUITABLE FOR

CSTSB4U	Screwdriver operated M4 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
PTB35/50SH	50 sq.mm Stud Type Power Terminal Blocks with Hinged Protective Cover
STH4	4 sq. mm Stud Type Terminal Block - with captive nuts.
CMC1-2	4 sq.mm Multiple Connection Terminal Blocks with 3 connection points.
CGT4N	4 sq.mm Ground / Earth Terminal Blocks
CDS6U/TS	6 sq.mm Disconnect & Test Terminal Blocks
CDS6U	6 sq.mm Disconnect & Test Terminal Blocks
CDL4U(E)RC	4 sq.mm Terminal Blocks with inbuilt RC circuit.
CDL4UEMOV	4 sq.mm Surge Suppression Terminal Blocks with MOV
CDL4UEDD2	4 sq.mm Terminal Blocks with diode circuit - DD2 configuration
CDL4UED2	4 sq.mm Terminal Blocks with diode circuit - D2 configuration
CSDL4U	4 sq.mm Disconnect & Test Terminal Blocks - With Disconnecting Brass Link.
CTS4UN	4 sq.mm Standard Feed Through Terminal Blocks
CTS16U	16 sq.mm Standard Feed Through Terminal Blocks
CTLG2.5EMOV	2.5 sq.mm Triple Level Surge Suppression Terminal Blocks with additional grounding point.
CTC4U	Tab Connection Terminal Blocks suitable for 4 sq.mm wire
CDL4UED4	4 sq.mm Terminal Blocks with diode circuit - D4 configuration
CDL4UEL1	4 sq.mm Double Level Terminal Blocks with LED indication - L1 Configuration
CDL4U(O)	4 sq.mm Double Level Terminal Blocks with open type current bars to house electronic components.
CDL4UN(I.S)	4 sq.mm Double Level Internally Shorted Terminal Blocks.
CDTTU	6 sq.mm Disconnect & Test Terminal Blocks with Universal Mounting Possibility.
IMD/CK/xx	Common Cathode Diode Module
IMDLT/DC/CK/xx	Common Cathode DC Lamp Test Module
CHV6U	6 sq.mm High Voltage Terminal Blocks.
DDFL4UE	4 sq.mm Double Level Fuse Terminal Blocks with offline LED indication.
CMC2-2	4 sq.mm Multiple Connection Terminal Blocks with 4 connection points.
ODL4U	4 sq.mm Offset Double Level Terminal Blocks.
IMDC/xx/S/L	Standard IDC/FRC Module with 1:1 Screw Connections
IMRE/DI16/24/DM37	16 CH Digital Input(DI) Relay Interface Module
IMRE1SS16/PLC	32 I/O Interface Module for SIEMENS SIMATIC S7-300/ET200MPLC
IMSER1/24A380A2	Slim SSR Module 24VAC IN 380 VAC OUT 2 Amp
IMSER1/24A48D4	Slim SSR Module 24VAC IN 48 VDC OUT 4 Amp

SUITABLE FOR....

IMERSxx/12D125D2	SSR Module 1NO (SPST) 12VDC IN 125VDC OUT 2Amp
IMDSUBF/xx/H	FEMALE DSUB Module with Component Mounting Hole
IMDSUBM/xx/S	Standard MALE DSUB Module With 1:1 Screw Connections
IMDSUBM/xx/SC	MALE DSUB Module with 1:1 Spring Connections
IMDSUBF/xx/SC	FEMALE DSUB Module with 1:1 Spring Connections
IMV/xx/R/130	130V Varistor Module with Common Anode Configuration
IMV/xx/S/275	275V Varistor Module with Single Varistor per Channel
IMMR1SS1/230A	DIN RAIL Mountable 1CO 230VAC Modular Relay Module
CTS2.5UN	2.5 sq.mm, 5 mm thick Feed Through Terminal Block
CTL2.5U	2.5 sq.mm Three Level Feed through Terminal Blocks
CTL2.5UHL	2.5 sq.mm Three Level Terminal Blocks with LED suitable for sensor & actuator application
CDL4UN	4 sq.mm Double Level Terminal Blocks.
CGT35U	35 sq.mm Ground / Earth Terminal Blocks for multi-rail mounting
IMDI16/xx	16CH Digital Input Module With optical Isolation
CDL4UELD4	4 sq.mm Double Level Terminal Blocks with LED indication - LD4 Configuration
CKT4UD1	Knife Type 4 sq.mm Disconnect & Test Terminal Blocks with diode - D1 Configuration.
CSTSB5U	Screwdriver operated M5 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
PTB70/95SH	Disconnect and Test Terminal Blocks
STH4DT	Stud Type Terminal Block
CKT4U	4 sq.mm Knife Type Disconnect & Test Terminal Blocks with Socket screws
CDTTUSH	Disconnect & Test Terminal Block
CDS6U/SC	6 sq.mm Disconnect & Test Terminal Blocks
CDL4UELD1-24V	4 sq.mm Double Level Terminal Blocks with LED indication -LD1 Configuration
CDL4UEDD4	4 sq.mm Terminal Blocks with diode circuit - DD4 configuration
CDL4UEDD1	4 sq.mm Terminal Blocks with diode circuit - DD1 configuration
CDL4U(E)3LA	4 sq.mm Surge Suppression Terminal Blocks
CDB10	Modular Distribution Blocks with 10 sq.mm Output connections and 35 sq.mm Bolt Type Input Connection
CMDB25	25 sq.mm Modular Distribution Blocks.
CTS35UNA	35 sq.mm Feed Through Terminal Blocks with Allen Screws
DDDL4U	4 sq.mm Disconnect & Test Terminal Blocks with disconnecting link.
CTS50/70NA	50/70 sq.mm Feed Through Terminal Blocks with Allen Screws
CAFL4UL	4 sq.mm Fuse Terminal Blocks with offline LED indication.
CSFL4U	4 sq.mm Fuse Terminal Blocks.
CDL4UELD5	4 sq.mm Double Level Terminal Blocks with LED indication - LD5 Configuration
CDL4UEN1	4 sq.mm Terminal Blocks with Neon Lamp indicator.
IMD/S/xx	Standard Individual Diode Module
IMDLT/DC/CA/xx	Common Anode DC Lamp Test Module
IMDLT/DC/S/xx	Individual DC Lamp Test Module
DB16	16 sq.mm Compact Distribution Blocks.
DDFL4U	4 sq.mm Double Level Fuse Terminal Blocks.
DDFL4ULR	4 sq.mm Double Level Fuse Terminal Blocks with two equi-potential points on each side.
IMF/xx/S	Standard Fuse Module with Single Fuse per Channel

SUITABLE FOR.....		SUITABLE FOR.....	
IMERSxx/05D125D2	SSR Module 1NO (SPST) 5VDC IN 125VDC OUT 2Amp	CGT6N	6 sq.mm Ground / Earth Terminal Blocks
IMRE1SS16/SLC	32 I/O Interface Module for Allen Bradley SLC 500 PLC	CGT16N	16 sq.mm Ground / Earth Terminal Blocks
IMRE1SS16/CNC	16 I/O CNC Interface Module	CDL4UESD	4 sq.mm Surge Suppression Terminal Blocks - with surge suppression diode.
IMRE1SS16/CNCSRxx	16 I/O CNC Interface Module with Solid State Relay	CDL4UED2	4 sq.mm Double Level Terminal Blocks with LED indication - LD2 Configuration
IMSER1/24D48D0.1	Slim SSR Module 24VDC IN 48 VDC OUT 0.1 Amp	CDL4UED1	4 sq.mm Terminal Blocks with diode circuit - D1 configuration
IMSR1SS1/230A	Slim Relay Module 1CO 230VAC	CDB25	Modular Distribution Blocks with 25 sq.mm Output connections and 50 sq.mm Bolt Type Input Connection
IMSR1SS1/05	Slim Relay Module 1CO 5VDC	CMDB10	10 sq.mm Modular Distribution Blocks.
IMERSFxx/05D125D2	SSR Module 1NO (SPST) 5VDC IN 125VDC OUT 2Amp With Output Fuse Protection	CAFL4UN	Fuse Terminal Blocks
IMERSxx/05D400A3	SSR Module 1NO (SPST) 5VDC IN 400VAC OUT 3Amp	CDB6	Modular Distribution Blocks with 6 sq.mm Output connections and 25 sq.mm Bolt Type Input Connection
IMDSUBM/xx/L1	DSUB Module with LED Indication	CDL4UEDD5	4 sq.mm Terminal Blocks with diode circuit - DD5 configuration
IMDSUBF/xx/S	Standard FEMALE DSUB Module With 1:1 Screw Connections	CDL4UEL2	4 sq.mm Double Level Terminal Blocks with LED indication - L2 Configuration
IMDSUBF/xx/L1	FEMALE DSUB Module with LED Indication	CDL4U(I,S)	4 sq.mm Double Level Internally Shorted Terminal Blocks.
IMRJ45/8/V	RJ45 Module with Vertical RJ45 Connector	CF4U	4 sq.mm Single Level Fuse Terminal Blocks
IMV/xx/R/50	50V Varistor Module with Common Anode Configuration	CTS4USC	4 sq.mm Spring Loaded Feed Through Terminal Blocks
IMRE1SS16/24/DC20	16CH Relay Interface Module for Schneider PLC	CTT2.5U	2.5 sq.mm Thermocouple Terminal Blocks.
CTL2.5UH	2.5 sq.mm Three Level Terminal Blocks suitable for sensor & actuator application	DB35	35 sq.mm Compact Distribution Blocks.
CTL2.5UH(I,S)D2	2.5 sq.mm Three Level Terminal Blocks with Diode suitable for sensor & actuator application	IMIDC/xx/H/L	IDC/FRC Module with Component Mounting Hole
CSTSN5U	Nut driver operated M5 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.	ODL4UA	Stackable 4 sq.mm Offset Double Level Terminal Blocks.
PTB70/95	95 sq.mm Stud Type Power Terminal Blocks	IMIDC/xx/SC/L	Spring Cage IDC/FRC Module With 1:1 Spring Connections
CSTSN6U	Nut driver operated M6 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.	IMERSxx/12D400A3	SSR Module 1NO (SPST) 12VDC IN 400VAC OUT 3Amp
CKT4U/S	4 sq.mm Knife Type Disconnect & Test Terminal Blocks with Standard screws	IMERSxx/24D125D2	SSR Module 1NO (SPST) 24VDC IN 125VDC OUT 2Amp
CGT10N	10 sq.mm Ground / Earth Terminal Blocks	IMERSFxx/05D400A3	SSR Module 1NO (SPST) 5VDC IN 400VAC OUT 3Amp With Output Fuse Protection
CDS6U/FT	6 sq.mm Disconnect & Test Terminal Blocks	IMERSFxx/12D125D2	SSR Module 1NO (SPST) 12VDC IN 125VDC OUT 2Amp With Output Fuse Protection
CDL4UELA	4 sq.mm Surge Suppression Terminal Blocks with Lightning Arrestor.	IMERSFxx/24D400A3	SSR Module 1NO (SPST) 24VDC IN 400VAC OUT 3Amp With Output Fuse Protection
CDL4UEDD3	4 sq.mm Terminal Blocks with diode circuit - DD3 configuration	IMTRFxx/24N/24N	Transistor Module Sink To Sink Type With Fuse Protection (-24 VDC Input)
CDL4UED3	4 sq.mm Terminal Blocks with diode circuit - D3 configuration	IMRE/DO16/24/DM37	16 CH Digital Output(DO) Relay Interface Module
CDB4(1)	Modular Distribution Blocks with 4 sq.mm Output connections and 16 sq.mm Bolt Type Input Connection	IMRJ45/8/HS	RJ45 Module with Shielded Horizontal RJ45 Connector
CKT4U/4	4 sq.mm Disconnect & Test Terminal Blocks with Knife Type disconnecting contact and multiple connection points.	IMSER1/24A48D0.1	Slim SSR Module 24VAC IN 48 VDC OUT 0.1 Amp
CMDB4	4 sq.mm Modular Distribution Blocks.	IMSER1/24D380A2	Slim SSR Module 24VDC IN 380 VAC OUT 2 Amp
CMDB6	6 sq.mm Modular Distribution Blocks.	IMDSUBM/xx/H	MALE DSUB Module with Component Mounting Hole
CTS6U	6 sq.mm Standard Feed Through Terminal Blocks	IMCC/xx	Component Carrier Module
CTS10U	10 sq. mm Standard Feed Through Terminal Blocks	IMDLT/AC/xx	AC Lamp Test Module
CTS35UN	35 sq.mm Feed Through Terminal Blocks with Slotted Screws	IMV/xx/S/130	130V Varistor Module with Single Varistor per Channel
CTS95/120N	95/120 sq.mm Feed Through Terminal Blocks with Allen Screws	IMRE1SSF16/CNC	16 I/O CNC Interface Module with Output Fuse Protection
CDL4UELD3	CDL4U(E)LD3 : 4 sq.mm Double Level Terminal Blocks with LED indication - LD3 Configuration	CDLG2.5	Two Level + Ground Feed through Terminal block
CHV4U	4 sq.mm High Voltage Terminal Blocks.	CGT10U	10 sq.mm Ground / Earth Terminal Blocks for multi-rail mounting
CTS6USC	6 sq.mm Spring Loaded Feed through Terminal Blocks	CF4UL	4 sq.mm Single Level Fuse Terminal Blocks with LED indication.
CHV10U	10 sq. mm High Voltage Terminal Blocks.	CDINS16	CDINS16 : Din Rail Mounting Socket & Switch
IMIDC/xx/L1/L	IDC/FRC Module with LED Indication.	CDINSUK	CDINSUK : Din Rail Mounting Socket & Switch
IMFI/xx/S/xx	Fuse Fail Indication Module with Single Fuse per Channel	CDB4	Modular Distribution Blocks with 4 sq.mm Output connections and 16 sq.mm Bolt Type Input Connection
IMERSxx/24D400A3	SSR Module 1NO (SPST) 24VDC IN 400VAC OUT 3Amp	CTLG2.5	Three Level + Ground Feed through Terminal block
IMERSFxx/12D400A3	SSR Module 1NO (SPST) 12VDC IN 400VAC OUT 3Amp With Output Fuse Protection	CSFL4UL	4 sq.mm Fuse Terminal Blocks with offline LED indication.
IMERSFxx/24D125D2	SSR Module 1NO (SPST) 24VDC IN 125VDC OUT 2Amp With Output Fuse Protection	CTS25UN	25 sq.mm Standard Feed Through Terminal Blocks
IMOPTRxx/24P/24P	Opto Transistor Module Source To Source Type (+24 VDC Input)	PSB1/10/12/0.83	0.83A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
IMRC32/0.22/xx/xx	Rail Mount 32 Channel Resistor-Capacitor(RC) module	PSB2/15/5/3	3A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
IMRE1OS16/24/DC20	16CH 1NO Relay Interface Module for Schneider PLCTest	PSB3/33/12/2.75	2.75A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
IMSER1/24D48D4	Slim SSR Module 24VDC IN 48 VDC OUT 4 Amp	PSB4/60/15/4	4A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
IMMR1SS1/24A	DIN RAIL Mountable 1CO 24VAC Modular Relay Module	PSB5/100/24/3.8-L	4.2A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
IMSR1SS1/24A	Slim Relay Module 1CO 24VAC	PSS10/15/0.67	0.67A, 10W Single Phase Din Rail Mountable Switching Power Supplies
IMOPTRFxx/24P/24P	Opto Transistor Module Source To Source Type With Fuse Protection (+24 VDC Input)	PSS15/5/3	3A,15W Single Phase Din Rail Mountable Switching Power Supplies
IMD/CA/xx	Common Anode Diode Module	PSS30/12/2.5	2.5A,30W Single Phase Din Rail Mountable Switching Power Supplies
IMV/xx/R/275	275V Varistor Module with Common Anode Configuration	PSS60/12/5	5A,60W Single Phase Din Rail Mountable Switching Power Supplies
IMV/xx/S/50	50V Varistor Module with Single Varistor per Channel	PSS120/24/5	5A,120W Single Phase Din Rail Mountable Switching Power Supplies
IMMR1SS1/110A	DIN RAIL Mountable 1CO 110VAC Modular Relay Module	PSS300/24/12.5	12.5A,300W Single Phase Din Rail Mountable Switching Power Supplies
CTL2.5U(I,S)	2.5 sq.mm Three Level internally shorted Terminal Blocks	PSS480/48/10	10A,480W Single Phase Din Rail Mountable Switching Power Supplies
CTL2.5UL	2.5 sq.mm Three Level Feed through Terminal Block with LED	PST120/12/10	10A ,3 Phase Din Rail Mountable Switching Power Supplies
CGT4U	4 sq.mm Ground / Earth Terminal Blocks for multi-rail mounting	PST480/48/10	10A ,3 Phase Din Rail Mountable Switching Power Supplies
DDFL4UELR	4 sq.mm Double Level Fuse Terminal Blocks with two equi-potential points on each side and offline LED indication.	IMTRxx/24N/24N	Transistor Module Sink To Sink Type (+24 VDC Input)
CDL4U	4 sq.mm Double Level Terminal Blocks.	CBS3U	M3 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CTS2.5UE	2.5 sq.mm, 6 mm thick Feed Through Terminal Block	CF4SP	4 sq.mm Single Level Fuse Terminal Blocks with Jumper possibility
CKT4UD2	Knife Type 4 sq.mm Disconnect & Test Terminal Blocks with diode - D2 Configuration.	IMRE1SSxx/12/OM	Relay Module 1CO 12VDC (SPDT)
CSTSN4U	Nut driver operated M4 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.	IMRE2SSxx/24/OM	Relay Module 2CO 24VDC (DPDT)
PTB35/50	50 sq.mm Stud Type Power Terminal Blocks	IMRE1SSxx/24/OM	Relay Module 1CO 24VDC (SPDT)
STH4DTSH	-2146826246		
CTS10USC	10 sq.mm Spring Loaded Terminal Blocks		

SUITABLE FOR.....	
IMRE4SSxx/110A/OM	Relay Module 4CO 110VAC (4PDT)
IMRE1SSxx/230A/OM	Relay Module 1CO 230VAC (SPDT)
IMSR1SS1/48	Slim Relay Module 1CO 48VDC
IMSR1SS1/60	Slim Relay Module 1CO 60VDC
IMRE1SSxx/24A/RECT	Relay Module 1CO 24VAC (SPDT) Rectifier Version
IMRE2SSFxx/110A/OM	Relay Module 2CO 110VAC (DPDT) With Output Fuse Protection
IMREF1SSxx/24/OM	Relay Module 1CO 24VDC (SPDT)With Input Fuse Protection
IMREF1SSxx/110A/OM	Relay Module 1CO 110VAC (SPDT) With Input Fuse Protection
IMRE1SSFxx/110A/xx	Relay Module 1CO 110VAC (SPDT) With Output Fuse Fail Indication
IMRE1SSFxx/12/xx	Relay Module 1CO 12VDC (SPDT) With Output Fuse Fail Indication
IMRE2SSFxx/12/xx	Relay Module 2CO 12VDC (DPDT) With Output Fuse Fail Indication
IMRE2SSFxx/230A/xx	Relay Module 2CO 230VAC (DPDT) With Output Fuse Fail Indication
IMRE1SS16/24/DM37	Relay Module 1CO 24VDC (SPDT) With DSUB Input
IMMR2SS1/24	DIN RAIL Mountable 2CO 24VDC Modular Relay Module
IMMR2SS1/24A	DIN RAIL Mountable 2CO 24VAC Modular Relay Module
IMMR4SS1/24A	DIN RAIL Mountable 4CO 24VAC Modular Relay Module
IMRE1SS16/CNCSSRxx	16 I/O CNC Interface Module with Solid State Relay
DB120	120 sq.mm Compact Distribution Blocks.
DB185	185 sq.mm Compact Distribution Blocks.
CMCG4	4 sq.mm Multiple Connection Earthing Terminal Blocks with 4 connection points.
CAFL4U	4 sq.mm Fuse Terminal Blocks
CTS50/70N	50/70 sq.mm Feed Through Terminal Blocks with Slotted Screws
CDINS6	CDINS6 : Din Rail Mounting Socket & Switch
CDINS6	CDINS6 : Din Rail Mounting Socket & Switch
PSR10	10 A Redundant Module Din Rail Mountable
PSR20	20 A Redundant Module Din Rail Mountable
PSB2/24/24/1	1A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSB4/35/5/7	7A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSB5/72/12/6	6A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSS5/15/0.34	0.34A,5W Single Phase Din Rail Mountable Switching Power Supplies
PSS18/15/1.2	1.2A,18W Single Phase Din Rail Mountable Switching Power Supplies
PSS18/24/0.75	0.75A,18W Single Phase Din Rail Mountable Switching Power Supplies
PSS100/24/4.2	4.2A,100W Single Phase Din Rail Mountable Switching Power Supplies
PSS100/48/2.1	2.1A,100W Single Phase Din Rail Mountable Switching Power Supplies
PSS240/24/10	10A,240W Single Phase Din Rail Mountable Switching Power Supplies
PSD100/12/8.4	8.4A ,2ph/Single Phase Din Rail Mountable Switching Power Supplies
PST240/24/10	10A ,3 Phase Din Rail Mountable Switching Power Supplies
PST240/48/5	5A ,3 Phase Din Rail Mountable Switching Power Supplies
PST960/24/40-E	40A ,3 Phase Din Rail Mountable Switching Power Supplies Economical
PST960/48/20	20A ,3 Phase Din Rail Mountable Switching Power Supplies
CBB35/50	50 sq.mm Stud Type Power Terminal Blocks
IMRE1SS16/CNC	16 I/O CNC Interface Module
IMRE1SS8/24/RED	Redundant Relay Module 1CO 24VDC (SPDT)
IMRE1SSxx/110A/OM	Relay Module 1CO 110VAC (SPDT)
IMRE4SSxx/230A/OM	Relay Module 4CO 230VAC (4PDT)
IMSR1SS1/12	Slim Relay Module 1CO 12VDC
IMSR1SS1/48A	Slim Relay Module 1CO 48VAC
IMRE1SSFxx/110A/OM	Relay Module 1CO 110VAC (SPDT) With Output Fuse Protection
IMRE1SSFxx/230A/OM	Relay Module 1CO 230VAC (SPDT) With Output Fuse Protection
IMRE2SSFxx/230A/OM	Relay Module 2CO 230VAC (DPDT) With Output Fuse Protection
IMRE2SSFxx/24/OM	Relay Module 2CO 24VDC (DPDT) With Output Fuse Protection
IMREF1SSxx/12/OM	Relay Module 1CO 12VDC (SPDT) With Input Fuse Protection
IMREF2SSxx/230A/OM	Relay Module 2CO 230VAC (DPDT) With Input Fuse Protection
IMRE1SSFxx/24/xx	Relay Module 1CO 24VDC (SPDT) With Output Fuse Fail Indication
IMMR4SS1/230A	DIN RAIL Mountable 4CO 230VAC Modular Relay Module
CBB70	70 sq.mm Stud Type Power Terminal Blocks
DB25	25 sq.mm Compact Distribution Blocks.
CF4SPL	4 sq.mm Single Level Fuse Terminal Blocks with LED indication.
CBS4U	M4 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CSB4/N4U	M4 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.
STH3	6 sq. mm Stud Type Terminal Block - with captive nuts.
CSB3/N3UL	M3 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.
CBB95	95 sq.mm Stud Type Power Terminal Blocks

SUITABLE FOR.....	
CBB70LS	70 sq.mm Stud Type Power Terminal Blocks
CBB150	150 sq.mm Stud Type Power Terminal Blocks
CDINSW1	CDINSW1 : Din Rail Mounting Socket & Switch
CDINSW2	CDINSW2 : Din Rail Mounting Socket & Switch
PSB1/7.5/5/1.5	1.5A ,Single Phase Din Rail Mountable Step Type Switching Power Suppliestest
PSB1/10/15/0.67	0.67A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSB1/10/24/0.42	0.42A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSB2/24/15/1.6	1.6A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSB3/36/15/2.4	2.4A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSB4/54/12/4.5	4.5A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSB5/60/5/12	12A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSS5/5/1	1A,Single Phase Din Rail Mountable Switching Power Supplies
PSS10/12/0.84	0.84A,10W Single Phase Din Rail Mountable Switching Power Supplies
PSS18/12/1.5	1.5A,18W Single Phase Din Rail Mountable Switching Power Supplies
PSS30/24/1.25	1.25A,30W Single Phase Din Rail Mountable Switching Power Supplies
PSS50/5/10	10A,50W Single Phase Din Rail Mountable Switching Power Supplies
PSS60/48/1.25	1.25A,60W Single Phase Din Rail Mountable Switching Power Supplies
PSS120/48/2.5	2.5A,120W Single Phase Din Rail Mountable Switching Power Supplies
PSS480/24/20	20A,480W Single Phase Din Rail Mountable Switching Power Supplies
PSD100/48/2.1	2.1A ,2ph/Single Phase Din Rail Mountable Switching Power Supplies
PST960/24/40	40A ,3 Phase Din Rail Mountable Switching Power Supplies
CSB3/N3U	M3 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.
IMRE2SSxx/12/OM	Relay Module 2CO 12VDC (DPDT)
IMRE2SSxx/110A/OM	Relay Module 2CO 110VAC (DPDT)
IMRE2SSxx/230A/OM	Relay Module 2CO 230VAC (DPDT)
IMSR1SS1/60A	Slim Relay Module 1CO 60VAC
IMRE1SSFxx/24/OM	Relay Module 1CO 24VDC (SPDT) With Output Fuse Protection
IMREF1SSxx/230A/OM	Relay Module 1CO 230VAC (SPDT) With Input Fuse Protection
IMREF2SSxx/12/OM	Relay Module 2CO 12VDC (DPDT) With Input Fuse Protection
IMRE1SSFxx/230A/xx	Relay Module 1CO 230VAC (SPDT) With Output Fuse Fail Indication
IMRE2SS16/24/DM37	Relay Module 2CO 24VDC (DPDT) With DSUB Input
IMMR4SS1/24	DIN RAIL Mountable 4CO 24VDC Modular Relay Module
IMRE1O2/24/OEN-530	1NO 2CH 24VDC 70Amp Heavy Duty Relay Card
DB70	70 sq.mm Compact Distribution Blocks.
CDLG4(I.S)	4 sq.mm Multiple Connection Earthing Terminal Blocks with 4 connection points.
CF4SPFT	4 sq.mm Standard Feed Through Terminal Blocks
CBB120	120 sq.mm Stud Type Power Terminal Blocks
CBB120LS	120 sq.mm Stud Type Power Terminal Blocks
CDTTUSC	10 sq.mm Disconnect & Test Terminal Blocks
CDTTUFT	10 sq. mm Feed Through Terminal Blocks
CSB5/N5U	M5 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.
IMSR1SS1/110A	Slim Relay Module 1CO 110VAC
CX10/3	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXG10/3	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXK2.5/4	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
PSB2/24/12/2	2A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSB3/22.5/5/4.5	4.5A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSB3/36/24/1.5	1.5A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSB4/60/24/2.5	2.5A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSB5/75/15/5	5A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSS5/12/0.42	0.42A ,5W Single Phase Din Rail Mountable Switching Power Supplies
PSS5/24/0.21	0.21A,5W Single Phase Din Rail Mountable Switching Power Supplies
PSS10/5/2	2A,10W Single Phase Din Rail Mountable Switching Power Supplies
PSS10/24/0.42	0.42A,10W Single Phase Din Rail Mountable Switching Power Supplies
PSS30/5/6	PSS30/5/6,30W Single Phase Din Rail Mountable Switching Power Supplies
PSS30/48/0.63	0.63A,30W Single Phase Din Rail Mountable Switching Power Supplies
PSS60/24/2.5	2.5A,60W Single Phase Din Rail Mountable Switching Power Supplies
PSS100/12/8.4	8.4A,100W Single Phase Din Rail Mountable Switching Power Supplies
PSS100/24/3.8-L	3.8A,100W Single Phase Din Rail Mountable Switching Power Supplies
PSS120/12/10	10A,120W Single Phase Din Rail Mountable Switching Power Supplies

SUITABLE FOR.....		SUITABLE FOR.....	
PSS120/24/3.8-L	3.8A,120W Single Phase Din Rail Mountable Switching Power Supplies	CX4	4 sq.mm Spring Clamp Feed Through compact Terminal Blocks
PSS240/48/5	5A,240W Single Phase Din Rail Mountable Switching Power Supplies	CX4/3	4 sq.mm Spring Clamp Feed Through compact Terminal Blocks
PSS300/48/6.25	6.25A,300W Single Phase Din Rail Mountable Switching Power Supplies	CXG2.5/4	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
PSD100/24/4.2	4.2A ,2ph/Single Phase Din Rail Mountable Switching Power Supplies	CXDL2.5	2.5 sq.mm Double Level Spring Clamp Terminal Blocks
PST120/24/5	5A ,3 Phase Din Rail Mountable Switching Power Supplies	CXDL2.5(E)DD1	2.5 sq.mm Terminal Blocks with diode circuit - DD1 configuration
PST480/24/20	20A ,3 Phase Din Rail Mountable Switching Power Supplies	CXDL2.5(E)DD4	2.5 sq.mm Terminal Blocks with diode circuit - DD4 configuration
CKT4SP	4 sq.mm Knife Type Disconnect & Test Terminal Blocks with Socket screws and with possibility of using Jumpers	AS2.5/4	Angular Multiple Connection Spring Terminal Blocks with 4 connection points.
IMRE1SSF16/CNC	16 I/O CNC Interface Module with Output Fuse Protection	CXSG2.5	2.5 sq.mm feed Through Ground/Earth Spring Clamp Terminal Blocks
IMRE2SS8/24/ECO	Economical Relay Module 2CO 8CH 24VDC (DPDT)-(Compact Version)	CX10	10 sq.mm Spring Clamp Feed Through compact Terminal Blocks
IMRE4SSxx/24/OM	Relay Module 4CO 24VDC (4PDT)	CX10/3	10 sq.mm Spring Clamp Feed Through compact Terminal Blocks
IMRE2SSXX/230A/RECT	Relay Module 2CO 230VAC (DPDT) Rectifier Version	CXF4	4 sq.mm Spring Clamp Fuse compact Terminal Blocks
IMSR1SS1/24	Slim Relay Module 1CO 24VDC	CXK2.5/4	2.5 sq.mm Spring Clamp knife disconnecting compact Terminal Blocks
IMSR1SS1/12A	Slim Relay Module 1CO 12VAC	CXDL2.5(E)LD1	2.5 sq.mm Double Level Terminal Blocks with LED indication -LD1 Configuration
IMRE2SSFxx/12/OM	Relay Module 2CO 12VDC (DPDT) With Output Fuse Protection	CDS6U/FTS	6 sq.mm Disconnect & Test Terminal Blocks
IMREF2SSxx/110A/OM	Relay Module 2CO 110VAC (DPDT) With Input Fuse Protection	CTS25UN	25 sq.mm Standard Feed Through Terminal Blocks
IMREF2SSxx/24/OM	Relay Module 2CO 24VDC (DPDT) With Input Fuse Protection	CXG4	4 sq.mm Spring Clamp earthing compact Terminal Blocks
IMRE2SSFxx/110A/xx	Relay Module 2CO 110VAC (DPDT) With Output Fuse Fail Indication	CSC4T	4 sq.mm Feed Through Spring Clamp Terminal Blocks.
IMRE2SSFxx/24/xx	Relay Module 2CO 24VDC (DPDT) With Output Fuse Fail Indication	CSC4T1-2	4 sq.mm Multiple connections Feed Through Spring Clamp Terminal Blocks with 3 connection points.
IMMR2SS1/230A	DIN RAIL Mountable 2CO 230VAC Modular Relay Module	CSC2.5T2-2P	2.5 sq.mm Feed Through Spring Clamp Terminal Blocks - For Dual Potential Systems.
IMMR4SS1/110A	DIN RAIL Mountable 4CO 110VAC Modular Relay Module	ATL2.5	2.5 sq.mm Triple Level Spring Clamp Terminal Blocks
CM4USC	4 sq.mm Spring Loaded Feed Through Terminal Blocks	CSCG10T	10 sq. mm Ground/Earth Spring Clamp Terminal Blocks
CBDT4U	Disconnect and Test Terminal Blocks	ASF4	4 sq.mm Spring Clamp Fuse Terminal Blocks
CBB35/50LS	50 sq.mm Stud Type Power Terminal Blocks	CSCDK2.5	2.5 sq.mm Knife Contact Type Disconnect & Test Spring Clamp Terminal Blocks
CBB95LS	95 sq.mm Stud Type Power Terminal Blocks	CSC4T(E)D1	4 sq.mm Spring Clamp Terminal Blocks with Electronic Components
CBB185	185 sq.mm Stud Type Power Terminal Blocks	AS2.5	2.5 sq.mm Angular Feed Through Spring Terminal Blocks.
CX10	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks	AS4	4 sq.mm Angular Feed Through Spring Terminal Blocks.
CXF4	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks	AGT2.5/3	2.5 sq.mm Angular Spring Clamp Ground / Earth - Multiple Connection Terminal Blocks with 3 connection points.
STH4DTFT	Stud Type Terminal Block	AGT4/3	4 sq.mm Angular Spring Clamp Ground / Earth - Multiple Connection Terminal Blocks with 3 connection points.
STH6	35 sq. mm Stud Type Terminal Block - with captive nuts.	CX2.5	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CBB150LS	150 sq.mm Stud Type Power Terminal Blocks	CX6/3	6 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CBB185LS	185 sq.mm Stud Type Power Terminal Blocks	CXG6	6 sq.mm Ground/Earth Spring Clamp Compact Terminal Blocks
CKT4SPSC	4 sq.mm Knife Type Disconnect & Test Terminal Blocks with Socket screws spring loaded.	CXDL2.5(I,S)	2.5 sq.mm Multiple Connection Internally shorted Terminal Blocks with 4 connection points.
CBS5U	M5 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.	CXDL2.5(E)D2	2.5 sq.mm Terminal Blocks with diode circuit - D2 configuration
CXK2.5	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks	AS2.5/3	2.5 sq.mm Angular Multiple Connection Spring Terminal Blocks with 3 connection points.
CSC16T	16 sq.mm Spring Clamp Feed Through Terminal Blocks	AS4/3	4 sq.mm Angular Multiple Connection Spring Terminal Blocks with 3 connection points.
CSC2.5T2-2	2.5 sq.mm Multiple Connection Feed Through Spring Clamp Terminal Blocks with 4 connection points.	AS6/3	6 sq.mm Angular Multiple Connection Spring Terminal Blocks with 3 connection points.
ADL2.5(E)D2	2.5 sq.mm Angular Double Level Spring Clamp Terminal Blocks with diode circuit - D2 Configuration	CXG10/3	10 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CSCG2.5T	2.5 sq.mm feed Through Ground/Earth Spring Clamp Terminal Blocks	CXF4L	4 sq.mm Spring Clamp Fuse compact Terminal Blocks
CSCDK2.5/4	2.5 sq.mm Knife Contact Type Disconnect & Test Spring Clamp Terminal Blocks with 4 connection points	CXCC4	4 sq.mm Component carrier spring clamp terminal block
AGT2.5	2.5 sq.mm Angular Spring Clamp Ground / Earth Terminal Blocks.	CDTTUFTSC	10 sq.mm Spring Loaded Feed Through Terminal Blocks
AGT4/4	4 sq.mm Angular Spring Clamp Ground / Earth - Multiple Connection Terminal Blocks with 4 connection points.	CCC4U	Component carrier terminal block
CX6	6 sq.mm Spring Clamp Feed Through compact Terminal Blocks.	CTS25UN	25 sq.mm Standard Feed Through Terminal Blocks
CX4/4	4 sq.mm Spring Clamp Feed Through compact Terminal Blocks	CSC6T	6 sq.mm Spring Clamp Feed Through Terminal Blocks.
CXG2.5/3	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks	CSC4T2-2	4 sq.mm Multiple Connection Feed through Spring Clamp Terminal Blocks with 4 connection points.
CXDLG2.5	2.5 sq.mm Double Level Earthing Terminal Blocks.	CSC6T1-2	6 sq.mm Multiple Connection Feed Through Spring Clamp Terminal Blocks with 3 connection points.
CXDL2.5(E)D3	2.5 sq.mm Terminal Blocks with diode circuit - D3 configuration	ADL2.5(I,S)	2.5 sq.mm Angular Double Level Spring Clamp Terminal Blocks, Internally Shorted
CXG6/3	6 sq.mm Spring Clamp Feed Through compact Terminal Blocks	ADLG2.5	2.5 sq.mm Double Level and Grounding Terminal Blocks
CSC2.5T	2.5 sq.mm Spring Clamp Feed Through Terminal Blocks	ATL2.5H	2.5 sq.mm Triple Level Half Spring Clamp Terminal Blocks
CSC10T	10 sq.mm Spring Clamp Feed Through Terminal Blocks	CSCG6T	6 sq.mm Feed Through Ground/Earth Spring Clamp Terminal Blocks
CSC2.5T1-2	2.5 sq.mm Multiple Connection Feed Through Spring Clamp Terminal Blocks with 3 connection points.	ASF4(L)	4 sq.mm Spring Clamp Fuse Terminal Blocks with LED indication
ADL2.5	2.5 sq.mm Angular Double Level Spring Clamp Terminal Blocks test	CSC2.5T/4(E)D3	2.5 sq.mm Spring Clamp Terminal Blocks with diode circuit - D3 Configuration
ADL2.5(E)D1	2.5 sq.mm Angular Double Level Spring Clamp Terminal Blocks with diode circuit - D1 Configuration	AS6	6 sq.mm Angular Feed Through Spring Terminal Blocks.
ATLG2.5	2.5 sq.mm Triple Level and Grounding Spring Clamp Terminal Blocks	AGT2.5/4	2.5 sq.mm Angular Spring Clamp Ground / Earth - Multiple Connection Terminal Blocks with 4 connection points.
CSCG4T	4 sq.mm Feed Through Ground/Earth Spring Clamp Terminal Blocks	AGT6/3	6 sq.mm Angular Spring Clamp Ground / Earth - Multiple Connection Terminal Blocks with 3 connection points.
CSCG16T	16 sq. mm Ground/Earth Spring Clamp Terminal Blocks	CX2.5/3	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CSC4T(E)D2	4 sq.mm Spring Clamp Terminal Blocks with Electronic Components	CX2.5/4	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
AGT4	4 sq.mm Angular Spring Clamp Ground / Earth Terminal Blocks.		
AGT6	6 sq.mm Angular Spring Clamp Ground / Earth Terminal Blocks.		

SUITABLE FOR.....	
CXG2.5	2.5 sq.mm Ground/Earth Spring Clamp Terminal Blocks
CXG4/3	4 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXG4/4	4 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXDLG2.5(L.S)	2.5 sq.mm Multiple Connection Earthing Terminal Blocks with 4 connection points.
CXDL2.5(E)D1	2.5 sq.mm Terminal Blocks with diode circuit - D1 configuration
CXDL2.5(E)DD2	2.5 sq.mm Terminal Blocks with diode circuit - DD2 configuration
CXDL2.5(E)DD3	2.5 sq.mm Terminal Blocks with diode circuit - DD3 configuration
AS4/4	4 sq.mm Angular Multiple Connection Spring Terminal Blocks with 4 connection points.
CXS2.5	2.5 sq.mm Spring Clamp Feed Through Side Entry Terminal Blocks
CXG10	10 sq.mm Spring Clamp Earthing compact Terminal Blocks
CXK2.5	2.5 sq.mm Spring Clamp knife disconnecting compact Terminal Blocks
CXK4	4 sq.mm Spring Clamp knife disconnecting compact Terminal Blocks
CXK4/4	4 sq.mm Spring Clamp knife disconnecting compact Terminal Blocks
CXDL2.5(E)LD2	2.5 sq.mm Double Level Terminal Blocks with LED indication -LD2 Configuration
CXDL2.5(E)TTS1	2.5 sq.mm Double Level Terminal Blocks with Temperature Sensor indication - TS1 Configuration

CA102



End Clamp

End Clamps helps to secure the entire Terminal Block assembly on the Din Rail. End Clamps should be fixed on both sides of the Terminal Block assemblies. These End Clamps are designed to fix on DIN 32, DIN 35 and DIN 15 rails. The Polyamide series End Clamps have suitable recesses to accommodate a group marker holder and marking tags for group identification. The steel parts are Zinc plated and Chromate passivated.

PRODUCT SPECIFICATION

Height	50 mm
Width (Thickness)	9 mm
Length	46 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA102	End Clamp in Polyamide suitable for Din32 / Din35 / Din35-15 Rails	50

SUITABLE FOR

PTB35/50	50 sq.mm Stud Type Power Terminal Blocks
CDINS16	CDINS16 : Din Rail Mounting Socket & Switch
CDINSUK	CDINSUK : Din Rail Mounting Socket & Switch
PTB70/95SH	Disconnect and Test Terminal Blocks
CTS50/70NA	50/70 sq.mm Feed Through Terminal Blocks with Allen Screws
CTS35L	35 sq.mm Bus Bar Type Terminal Blocks with locking nut.
PTB70/95	95 sq.mm Stud Type Power Terminal Blocks
CTS95/120N	95/120 sq.mm Feed Through Terminal Blocks with Allen Screws
CTS95L	95 sq.mm Bus Bar Type Terminal Blocks with locking nut.
CTS70LS	70 sq.mm Bus Bar Type Terminal Blocks with tapped current bars.
CTS95LS	95 sq.mm Bus Bar Type Terminal Blocks with tapped current bars.
CDINSW1	CDINSW1 : Din Rail Mounting Socket & Switch
CDINSW2	CDINSW2 : Din Rail Mounting Socket & Switch
PTB35/50SH	50 sq.mm Stud Type Power Terminal Blocks with Hinged Protective Cover
CTS70L	70 sq.mm Bus Bar Type Terminal Blocks with locking nut.
CTS35LS	35 sq.mm Bus Bar Type Terminal Blocks with tapped current bars.
CTS50/70N	50/70 sq.mm Feed Through Terminal Blocks with Slotted Screws
CDINS6	CDINS6 : Din Rail Mounting Socket & Switch
CDINS6	CDINS6 : Din Rail Mounting Socket & Switch

CA103



End Clamp

End Clamps help to secure the entire Terminal Block assembly on the DIN Rail. End Clamps should be fixed on both sides of the Terminal Block assemblies. These End Clamps are designed to fix on DIN 32, DIN 35 and DIN 15 rails. The Polyamide series End Clamps have suitable recesses to accommodate a group marker holder and marking tags for group identification.

PRODUCT SPECIFICATION

Height	41 mm
Width (Thickness)	6 mm
Length	35 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA103	EndClamp in Polyamide suitable for Din 35/Din 35-15 rails	50

SUITABLE FOR

CXK2.5	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CSC16T	16 sq.mm Spring Clamp Feed Through Terminal Blocks
CSC2.5T2-2	2.5 sq.mm Multiple Connection Feed Through Spring Clamp Terminal Blocks with 4 connection points.
ADL2.5(E)D2	2.5 sq.mm Angular Double Level Spring Clamp Terminal Blocks with diode circuit - D2 Configuration
CSCDK2.5/4	2.5 sq.mm Knife Contact Type Disconnect & Test Spring Clamp Terminal Blocks with 4 connection points
CX4/4	4 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXG2.5/3	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXDLG2.5	2.5 sq.mm Double Level Earthing Terminal Blocks.
CXDL2.5(E)D3	2.5 sq.mm Terminal Blocks with diode circuit - D3 configuration
CXG6/3	6 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CX10	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXF4	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CSC2.5T	2.5 sq.mm Spring Clamp Feed Through Terminal Blocks
CSC10T	10 sq.mm Spring Clamp Feed Through Terminal Blocks
CSC2.5T1-2	2.5 sq.mm Multiple Connection Feed Through Spring Clamp Terminal Blocks with 3 connection points.
ADL2.5	2.5 sq.mm Angular Double Level Spring Clamp Terminal Blocks test
ADL2.5(E)D1	2.5 sq.mm Angular Double Level Spring Clamp Terminal Blocks with diode circuit - D1 Configuration
ATLG2.5	2.5 sq.mm Triple Level and Grounding Spring Clamp Terminal Blocks
CSC4T(E)D2	4 sq.mm Spring Clamp Terminal Blocks with Electronic Components
CX4	4 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CX4/3	4 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXG2.5/4	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXDL2.5	2.5 sq.mm Double Level Spring Clamp Terminal Blocks
CXDL2.5(E)DD1	2.5 sq.mm Terminal Blocks with diode circuit - DD1 configuration
CXDL2.5(E)DD4	2.5 sq.mm Terminal Blocks with diode circuit - DD4 configuration
AS2.5/4	Angular Multiple Connection Spring Terminal Blocks with 4 connection points.
CX10	10 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CX10/3	10 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXF4	4 sq.mm Spring Clamp Fuse compact Terminal Blocks
CXK2.5/4	2.5 sq.mm Spring Clamp knife disconnecting compact Terminal Blocks

SUITABLE FOR....

CXDL2.5(E)LD1	2.5 sq.mm Double Level Terminal Blocks with LED indication -LD1 Configuration
CXG4	4 sq.mm Spring Clamp earthing compact Terminal Blocks
CDTTUFT	10 sq. mm Feed Through Terminal Blocks
CX10/3	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXG10/3	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXK2.5/4	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CSC4T	4 sq.mm Feed Through Spring Clamp Terminal Blocks.
CSC4T1-2	4 sq.mm Multiple connections Feed Through Spring Clamp Terminal Blocks with 3 connection points.
CSC2.5T2-2P	2.5 sq.mm Feed Through Spring Clamp Terminal Blocks - For Dual Potential Systems.
ATL2.5	2.5 sq.mm Triple Level Spring Clamp Terminal Blocks
ASF4	4 sq.mm Spring Clamp Fuse Terminal Blocks
CSCDK2.5	2.5 sq.mm Knife Contact Type Disconnect & Test Spring Clamp Terminal Blocks
CSC4T(E)D1	4 sq.mm Spring Clamp Terminal Blocks with Electronic Components
AS2.5	2.5 sq.mm Angular Feed Through Spring Terminal Blocks.
AS4	4 sq.mm Angular Feed Through Spring Terminal Blocks.
CX2.5	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CX6/3	6 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXG6	6 sq.mm Ground/Earth Spring Clamp Compact Terminal Blocks
CXDL2.5(I.S)	2.5 sq.mm Multiple Connection Internally shorted Terminal Blocks with 4 connection points.
CXDL2.5(E)D2	2.5 sq.mm Terminal Blocks with diode circuit - D2 configuration
AS2.5/3	2.5 sq.mm Angular Multiple Connection Spring Terminal Blocks with 3 connection points.
AS4/3	4 sq.mm Angular Multiple Connection Spring Terminal Blocks with 3 connection points.
AS6/3	6 sq.mm Angular Multiple Connection Spring Terminal Blocks with 3 connection points.
CXG10/3	10 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXF4L	4 sq.mm Spring Clamp Fuse compact Terminal Blocks
CXCC4	4 sq.mm Component carrier spring clamp terminal block
CSC6T	6 sq.mm Spring Clamp Feed Through Terminal Blocks.
CSC4T2-2	4 sq.mm Multiple Connection Feed through Spring Clamp Terminal Blocks with 4 connection points.
CSC6T1-2	6 sq.mm Multiple Connection Feed Through Spring Clamp Terminal Blocks with 3 connection points.
ADL2.5(I.S)	2.5 sq.mm Angular Double Level Spring Clamp Terminal Blocks, Internally Shorted
ADLG2.5	2.5 sq.mm Double Level and Grounding Terminal Blocks
ATL2.5H	2.5 sq.mm Triple Level Half Spring Clamp Terminal Blocks
ASF4(L)	4 sq.mm Spring Clamp Fuse Terminal Blocks with LED indication
CSC2.5T/4(E)D3	2.5 sq.mm Spring Clamp Terminal Blocks with diode circuit - D3 Configuration
AS6	6 sq.mm Angular Feed Through Spring Terminal Blocks.
CX2.5/3	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CX2.5/4	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXG2.5	2.5 sq.mm Ground/Earth Spring Clamp Terminal Blocks

SUITABLE FOR.....

CXG4/3	4 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXG4/4	4 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXDLG2.5(I.S)	2.5 sq.mm Multiple Connection Earthing Terminal Blocks with 4 connection points.
CXDL2.5(E)DD2	2.5 sq.mm Terminal Blocks with diode circuit - DD2 configuration
CXDL2.5(E)DD3	2.5 sq.mm Terminal Blocks with diode circuit - DD3 configuration
AS4/4	4 sq.mm Angular Multiple Connection Spring Terminal Blocks with 4 connection points.
CXG10	10 sq.mm Spring Clamp Earthing compact Terminal Blocks
CXK2.5	2.5 sq.mm Spring Clamp knife disconnecting compact Terminal Blocks
CXK4	4 sq.mm Spring Clamp knife disconnecting compact Terminal Blocks
CXK4/4	4 sq.mm Spring Clamp knife disconnecting compact Terminal Blocks
CXDL2.5(E)LD2	2.5 sq.mm Double Level Terminal Blocks with LED indication -LD2 Configuration
CXDL2.5(E)TS1	2.5 sq.mm Double Level Terminal Blocks with Temperature Sensor indication - TS1 Configuration

CA202



End Clamp

End Clamps help to secure the entire Terminal Block assembly on the DIN Rail. End Clamps should be fixed on both sides of the Terminal Block assemblies. These End Clamps are designed to fix on DIN 32, DIN 35 and DIN 15 rails. The Polyamide series End Clamps have suitable recesses to accommodate a group marker holder and marking tags for group identification.

PRODUCT SPECIFICATION

Height	44.5 mm
Width (Thickness)	9.5 mm
Length	50 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

SUITABLE FOR

PTB70/95SH	Disconnect and Test Terminal Blocks
CENC4	4 sq.mm Neutral / Earth Clamps
CTS50/70NA	50/70 sq.mm Feed Through Terminal Blocks with Allen Screws
DDFL4U	4 sq.mm Double Level Fuse Terminal Blocks.
DDFL4ULR	4 sq.mm Double Level Fuse Terminal Blocks with two equi-potential points on each side.
CTL2.5UH	2.5 sq.mm Three Level Terminal Blocks suitable for sensor & actuator application
CTL2.5UH(I.S)D2	2.5 sq.mm Three Level Terminal Blocks with Diode suitable for sensor & actuator application
CTLG2.5	Three Level + Ground Feed through Terminal block
PSB1/10/12/0.83	0.83A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSB2/15/5/3	3A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSB3/33/12/2.75	2.75A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSB4/60/15/4	4A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSB5/100/24/3.8-L	4.2A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSS10/15/0.67	0.67A,10W Single Phase Din Rail Mountable Switching Power Supplies
PSS15/5/3	3A,15W Single Phase Din Rail Mountable Switching Power Supplies
PSS30/12/2.5	2.5A,30W Single Phase Din Rail Mountable Switching Power Supplies
PSS60/12/5	5A,60W Single Phase Din Rail Mountable Switching Power Supplies
PSS120/24/5	5A,120W Single Phase Din Rail Mountable Switching Power Supplies
PSS300/24/12.5	12.5A,300W Single Phase Din Rail Mountable Switching Power Supplies
PSS480/48/10	10A,480W Single Phase Din Rail Mountable Switching Power Supplies
PST120/12/10	10A ,3 Phase Din Rail Mountable Switching Power Supplies
PST480/48/10	10A ,3 Phase Din Rail Mountable Switching Power Supplies
STH6	35 sq. mm Stud Type Terminal Block - with captive nuts.
CBB150LS	150 sq.mm Stud Type Power Terminal Blocks
CBB185LS	185 sq.mm Stud Type Power Terminal Blocks
CBS5U	M5 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CXK2.5	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
ADL2.5(E)D2	2.5 sq.mm Angular Double Level Spring Clamp Terminal Blocks with diode circuit - D2 Configuration
CX6	6 sq.mm Spring Clamp Feed Through compact Terminal Blocks.
CXDL2.5(E)D3	2.5 sq.mm Terminal Blocks with diode circuit - D3 configuration
CXG6/3	6 sq.mm Spring Clamp Feed Through compact Terminal Blocks
PTB70/95	95 sq.mm Stud Type Power Terminal Blocks
CENC16	16 sq.mm Neutral / Earth Clamps
CENC35	35 sq.mm Neutral / Earth Clamps
CTS95/120N	95/120 sq.mm Feed Through Terminal Blocks with Allen Screws

SUITABLE FOR....

CTL2.5U(I.S)	2.5 sq.mm Three Level internally shorted Terminal Blocks
CTL2.5UL	2.5 sq.mm Three Level Feed through Terminal Block with LED
DDFL4UELR	4 sq.mm Double Level Fuse Terminal Blocks with two equi-potential points on each side and offline LED indication.
CDL4U	4 sq.mm Double Level Terminal Blocks.
CDINSW1	CDINSW1 : Din Rail Mounting Socket & Switch
CDINSW2	CDINSW2 : Din Rail Mounting Socket & Switch
PSB1/7.5/5/1.5	1.5A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSB1/10/15/0.67	0.67A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSB1/10/24/0.42	0.42A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSB2/24/15/1.6	1.6A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSB3/36/15/2.4	2.4A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSB4/54/12/4.5	4.5A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSB5/60/5/12	12A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies
PSS5/5/1	1A,Single Phase Din Rail Mountable Switching Power Supplies
PSS10/12/0.84	0.84A,10W Single Phase Din Rail Mountable Switching Power Supplies
PSS18/12/1.5	1.5A,18W Single Phase Din Rail Mountable Switching Power Supplies
PSS30/24/1.25	1.25A,30W Single Phase Din Rail Mountable Switching Power Supplies
PSS50/5/10	10A,50W Single Phase Din Rail Mountable Switching Power Supplies
PSS60/48/1.25	1.25A,60W Single Phase Din Rail Mountable Switching Power Supplies
PSS120/48/2.5	2.5A,120W Single Phase Din Rail Mountable Switching Power Supplies
PSS480/24/20	20A,480W Single Phase Din Rail Mountable Switching Power Supplies
PSD100/48/2.1	2.1A ,2ph/Single Phase Din Rail Mountable Switching Power Supplies
PST960/24/40	40A ,3 Phase Din Rail Mountable Switching Power Supplies
CDLG4(I.S)	4 sq.mm Multiple Connection Earthing Terminal Blocks with 4 connection points.
CF4SPFT	4 sq.mm Standard Feed Through Terminal Blocks
CBB120	120 sq.mm Stud Type Power Terminal Blocks
CBB120LS	120 sq.mm Stud Type Power Terminal Blocks
CDTTUFT	10 sq. mm Feed Through Terminal Blocks
CX10/3	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXG10/3	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXK2.5/4	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
ATL2.5	2.5 sq.mm Triple Level Spring Clamp Terminal Blocks
CXG6	6 sq.mm Ground/Earth Spring Clamp Compact Terminal Blocks
CXDL2.5(E)D2	2.5 sq.mm Terminal Blocks with diode circuit - D2 configuration
PTB35/50	50 sq.mm Stud Type Power Terminal Blocks
CDL4U(I.S)	4 sq.mm Double Level Internally Shorted Terminal Blocks.
ODL4UA	Stackable 4 sq.mm Offset Double Level Terminal Blocks.
CDLG2.5	Two Level + Ground Feed through Terminal block
CDINS16	CDINS16 : Din Rail Mounting Socket & Switch
CDINSUK	CDINSUK : Din Rail Mounting Socket & Switch

SUITABLE FOR.....		SUITABLE FOR.....	
PSB2/24/12/2	2A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies	PST960/24/40-E	40A ,3 Phase Din Rail Mountable Switching Power Supplies Economical
PSB3/22.5/5/4.5	4.5A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies	PST960/48/20	20A ,3 Phase Din Rail Mountable Switching Power Supplies
PSB3/36/24/1.5	1.5A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies	CBB35/50	50 sq.mm Stud Type Power Terminal Blocks
PSB4/60/24/2.5	2.5A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies	CDLG4	4 sq.mm Double Level Earthing Terminal Blocks.
PSB5/75/15/5	5A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies	CBB70	70 sq.mm Stud Type Power Terminal Blocks
PSS5/12/0.42	0.42A ,5W Single Phase Din Rail Mountable Switching Power Supplies	CBB95	95 sq.mm Stud Type Power Terminal Blocks
PSS5/24/0.21	0.21A,5W Single Phase Din Rail Mountable Switching Power Supplies	CBB70LS	70 sq.mm Stud Type Power Terminal Blocks
PSS10/5/2	2A,10W Single Phase Din Rail Mountable Switching Power Supplies	CBB150	150 sq.mm Stud Type Power Terminal Blocks
PSS10/24/0.42	0.42A,10W Single Phase Din Rail Mountable Switching Power Supplies	CCC4U	Component carrier terminal block
PSS30/5/6	PSS30/5/6,30W Single Phase Din Rail Mountable Switching Power Supplies	ADL2.5(I.S)	2.5 sq.mm Angular Double Level Spring Clamp Terminal Blocks, Internally Shorted
PSS30/48/0.63	0.63A,30W Single Phase Din Rail Mountable Switching Power Supplies	ADLG2.5	2.5 sq.mm Double Level and Grounding Terminal Blocks
PSS60/24/2.5	2.5A,60W Single Phase Din Rail Mountable Switching Power Supplies	ATL2.5H	2.5 sq.mm Triple Level Half Spring Clamp Terminal Blocks
PSS100/12/8.4	8.4A,100W Single Phase Din Rail Mountable Switching Power Supplies	CXDL2.5(E)DD2	2.5 sq.mm Terminal Blocks with diode circuit - DD2 configuration
PSS100/24/3.8-L	3.8A,100W Single Phase Din Rail Mountable Switching Power Supplies	CXDL2.5(E)DD3	2.5 sq.mm Terminal Blocks with diode circuit - DD3 configuration
PSS120/12/10	10A,120W Single Phase Din Rail Mountable Switching Power Supplies	CXS2.5	2.5 sq.mm Spring Clamp Feed Through Side Entry Terminal Blocks
PSS120/24/3.8-L	3.8A,120W Single Phase Din Rail Mountable Switching Power Supplies		
PSS240/48/5	5A,240W Single Phase Din Rail Mountable Switching Power Supplies		
PSS300/48/6.25	6.25A,300W Single Phase Din Rail Mountable Switching Power Supplies		
PSD100/24/4.2	4.2A ,2ph/Single Phase Din Rail Mountable Switching Power Supplies		
PST120/24/5	5A ,3 Phase Din Rail Mountable Switching Power Supplies		
PST480/24/20	20A ,3 Phase Din Rail Mountable Switching Power Supplies		
CBB35/50LS	50 sq.mm Stud Type Power Terminal Blocks		
CBB95LS	95 sq.mm Stud Type Power Terminal Blocks		
CBB185	185 sq.mm Stud Type Power Terminal Blocks		
CX10	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks		
CXF4	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks		
ADL2.5	2.5 sq.mm Angular Double Level Spring Clamp Terminal Blocks test		
ADL2.5(E)D1	2.5 sq.mm Angular Double Level Spring Clamp Terminal Blocks with diode circuit - D1 Configuration		
ATLG2.5	2.5 sq.mm Triple Level and Grounding Spring Clamp Terminal Blocks		
CXDL2.5(E)DD1	2.5 sq.mm Terminal Blocks with diode circuit - DD1 configuration		
CXDL2.5(E)DD4	2.5 sq.mm Terminal Blocks with diode circuit - DD4 configuration		
CXSG2.5	2.5 sq.mm feed Through Ground/Earth Spring Clamp Terminal Blocks		
CXG4	4 sq.mm Spring Clamp earthing compact Terminal Blocks		
PTB35/50SH	50 sq.mm Stud Type Power Terminal Blocks with Hinged Protective Cover		
CDL4UN(I.S)	4 sq.mm Double Level Internally Shorted Terminal Blocks.		
DDFL4UE	4 sq.mm Double Level Fuse Terminal Blocks with offline LED indication.		
ODL4U	4 sq.mm Offset Double Level Terminal Blocks.		
CTL2.5U	2.5 sq.mm Three Level Feed through Terminal Blocks		
CTL2.5UHL	2.5 sq.mm Three Level Terminal Blocks with LED suitable for sensor & actuator application		
CDL4UN	4 sq.mm Double Level Terminal Blocks.		
CTS50/70N	50/70 sq.mm Feed Through Terminal Blocks with Slotted Screws		
CDINS6	CDINS6 : Din Rail Mounting Socket & Switch		
CDINS6	CDINS6 : Din Rail Mounting Socket & Switch		
PSR10	10 A Redundant Module Din Rail Mountable		
PSR20	20 A Redundant Module Din Rail Mountable		
PSB2/24/24/1	1A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies		
PSB4/35/5/7	7A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies		
PSB5/72/12/6	6A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies		
PSS5/15/0.34	0.34A,5W Single Phase Din Rail Mountable Switching Power Supplies		
PSS18/15/1.2	1.2A,18W Single Phase Din Rail Mountable Switching Power Supplies		
PSS18/24/0.75	0.75A,18W Single Phase Din Rail Mountable Switching Power Supplies		
PSS100/24/4.2	4.2A,100W Single Phase Din Rail Mountable Switching Power Supplies		
PSS100/48/2.1	2.1A,100W Single Phase Din Rail Mountable Switching Power Supplies		
PSS240/24/10	10A,240W Single Phase Din Rail Mountable Switching Power Supplies		
PSD100/12/8.4	8.4A ,2ph/Single Phase Din Rail Mountable Switching Power Supplies		
PST240/24/10	10A ,3 Phase Din Rail Mountable Switching Power Supplies		
PST240/48/5	5A ,3 Phase Din Rail Mountable Switching Power Supplies		

CA302



End Clamp

End Clamps help to secure the entire Terminal Block assembly on the DIN Rail. End Clamps should be fixed on both sides of the Terminal Block assemblies. These End Clamps are designed to fix on DIN 32, DIN 35 and DIN 15 rails. The Polyamide series End Clamps have suitable recesses to accommodate a group marker holder and marking tags for group identification. The steel parts are Zinc plated and Chromate passivated.

PRODUCT SPECIFICATION

Height	39.5 mm
Width (Thickness)	16 mm
Length	27 mm
Material	Steel

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA302	End Clamp in Steel suitable for Din 35 Rail	50

CA402



End Clamp

End Clamps help to secure the entire Terminal Block assembly on the DIN Rail. End Clamps should be fixed on both sides of the Terminal Block assemblies.

These End Clamps are designed to fix on DIN 32, DIN 35 and DIN 15 rails. The Polyamide series End Clamps have suitable recesses to accommodate a group marker holder and marking tags for group identification. The steel parts are Zinc plated and Chromate passivated.

PRODUCT SPECIFICATION

Height	39.5 mm
Width (Thickness)	16 mm
Length	27 mm
Material	Steel

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA402	End Clamp in Steel suitable for Din 35-15 Rail	50

CA502



End Clamp

End Clamps help to secure the entire Terminal Block assembly on the DIN Rail. End Clamps should be fixed on both sides of the Terminal Block assemblies.
These End Clamps are designed to fix on DIN 32, DIN 35 and DIN 15 rails. The Polyamide series End Clamps have suitable recesses to accommodate a group marker holder and marking tags for group identification.

PRODUCT SPECIFICATION

Height	25 mm
Width (Thickness)	11.5 mm
Length	22.5 mm
Material	Steel

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA502	End Clamp in Steel suitable for Din 32 Rail	50

SUITABLE FOR

CDTTS	Disconnect and Test Terminal Blocks
CSTSN4	M4 sized Stud Type Terminal Blocks, suitable for operation with nut driver.
CSTSN5	M5 sized Stud Type Terminal Blocks, suitable for operation with nut driver.
CTS10	10 sq.mm Standard Feed Through Terminal Blocks.
CTS16	16 sq.mm Standard Feed Through Terminal Blocks
CTS6SC	6 sq.mm Spring Loaded Feed through Terminal Blocks
CMDT4SH	Disconnect and Test Terminal Blocks
CSTSB5	M5 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CSTSRN6	M6 sized Stud Type Terminal Blocks, suitable for operation with nut driver.
CTS2.5M	2.5 sq.mm Standard Feed Through Terminal Blocks
CTS70L	70 sq.mm Bus Bar Type Terminal Blocks with locking nut.
CTS35LS	35 sq.mm Bus Bar Type Terminal Blocks with tapped current bars.
CTS10SC	10 sq.mm Spring Loaded Terminal Blocks.
PSR10	10 A Redundant Module Din Rail Mountable
CDTTS-SH	Disconnect and Test Terminal Blocks
CSTSN415P	M4 sized Stud Type Terminal Blocks, suitable for operation with nut driver - in 15 mm thickness.
CSTSB4/N4	M4 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.
CSTSN515P	M5 sized Stud Type Terminal Blocks, suitable for operation with nut driver - in 15 mm thickness.
CTS2.5	4 sq.mm Standard Feed Through Terminal Blocks
CTS35	35 sq.mm Standard Feed Through Terminal Blocks
CTS35L	35 sq.mm Bus Bar Type Terminal Blocks with locking nut.
CTS4SC	4 sq.mm Spring Loaded Feed Through Terminal Blocks
CMDT4	Disconnect and Test Terminal Blocks
CSTSB3	M3 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CSTSB4	M4 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CSTSRN5	M5 sized Stud Type Terminal Blocks, suitable for operation with nut driver.
CSTSN6	M6 sized Stud Type Terminal Blocks, suitable for operation with nut driver.
CTS6	6 sq.mm Standard Feed Through Terminal Blocks
CTS95L	95 sq.mm Bus Bar Type Terminal Blocks with locking nut.
CTS70LS	70 sq.mm Bus Bar Type Terminal Blocks with tapped current bars.
CTS95LS	95 sq.mm Bus Bar Type Terminal Blocks with tapped current bars.

CA602



End Clamp

End Clamps helps to secure the entire Terminal Block assembly on the Din Rail. End Clamps should be fixed on both sides of the Terminal Block assemblies.

PRODUCT SPECIFICATION

Height	20 mm
Width (Thickness)	8 mm
Length	28 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA602	End Clamp suitable for Din 15 Rail	50

SUITABLE FOR

CMT4	4 sq.mm Micro Terminal Blocks.
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CA802



End Clamp

End Clamps helps to secure the entire Terminal Block assembly on the Din Rail. End Clamps should be fixed on both sides of the Terminal Block assemblies. These End Clamps are designed to fix on DIN 32, DIN 35 and DIN 15 rails. The Polyamide series End Clamps have suitable recesses to accommodate a group marker holder and marking tags for group identification. The steel parts are Zinc plated and Chromate passivated.

PRODUCT SPECIFICATION

Height	45 mm
Width (Thickness)	8 mm
Length	32 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA802	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

SUITABLE FOR

CSTSN5U	Nut driver operated M5 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
CSTSN6U	Nut driver operated M6 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
CKT4U/S	4 sq.mm Knife Type Disconnect & Test Terminal Blocks with Standard screws
CDS6U/FT	6 sq.mm Disconnect & Test Terminal Blocks
CDL4UELA	4 sq.mm Surge Suppression Terminal Blocks with Lightning Arrestor.
CDB4(1)	Modular Distribution Blocks with 4 sq.mm Output connections and 16 sq.mm Bolt Type Input Connection
CKT4U/4	4 sq.mm Disconnect & Test Terminal Blocks with Knife Type disconnecting contact and multiple connection points.
CMDB4	4 sq.mm Modular Distribution Blocks.
CMDB6	6 sq.mm Modular Distribution Blocks.
CTS6U	6 sq.mm Standard Feed Through Terminal Blocks
CTS10U	10 sq. mm Standard Feed Through Terminal Blocks
CTS35UN	35 sq.mm Feed Through Terminal Blocks with Slotted Screws
CHV4U	4 sq.mm High Voltage Terminal Blocks.
CTS6U/SC	6 sq.mm Spring Loaded Feed through Terminal Blocks
CHV10U	10 sq. mm High Voltage Terminal Blocks.
CTL2.5U(I.S)	2.5 sq.mm Three Level internally shorted Terminal Blocks
CTL2.5UL	2.5 sq.mm Three Level Feed through Terminal Block with LED
DDFL4UELR	4 sq.mm Double Level Fuse Terminal Blocks with two equi-potential points on each side and offline LED indication.
CDL4U	4 sq.mm Double Level Terminal Blocks.
CTS2.5UE	2.5 sq.mm, 6 mm thick Feed Through Terminal Block
CSB3/N3U	M3 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.
DB70	70 sq.mm Compact Distribution Blocks.
CDLG4(I.S)	4 sq.mm Multiple Connection Earthing Terminal Blocks with 4 connection points.
CBB120	120 sq.mm Stud Type Power Terminal Blocks
CBB120LS	120 sq.mm Stud Type Power Terminal Blocks
CDTTU/SC	10 sq.mm Disconnect & Test Terminal Blocks
CSB5/N5U	M5 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.
CSC4T	4 sq.mm Feed Through Spring Clamp Terminal Blocks.
CSC4T1-2	4 sq.mm Multiple connections Feed Through Spring Clamp Terminal Blocks with 3 connection points.
CSC2.5T2-2P	2.5 sq.mm Feed Through Spring Clamp Terminal Blocks - For Dual Potential Systems.
ATL2.5	2.5 sq.mm Triple Level Spring Clamp Terminal Blocks
ASF4	4 sq.mm Spring Clamp Fuse Terminal Blocks
CSCDK2.5	2.5 sq.mm Knife Contact Type Disconnect & Test Spring Clamp Terminal Blocks
CSC4T(E)D1	4 sq.mm Spring Clamp Terminal Blocks with Electronic Components

SUITABLE FOR....

AS2.5	2.5 sq.mm Angular Feed Through Spring Terminal Blocks.
AS4	4 sq.mm Angular Feed Through Spring Terminal Blocks.
CX2.5	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CX6/3	6 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXG6	6 sq.mm Ground/Earth Spring Clamp Compact Terminal Blocks
CXDL2.5(I.S)	2.5 sq.mm Multiple Connection Internally shorted Terminal Blocks with 4 connection points.
AS2.5/3	2.5 sq.mm Angular Multiple Connection Spring Terminal Blocks with 3 connection points.
AS4/3	4 sq.mm Angular Multiple Connection Spring Terminal Blocks with 3 connection points.
CKT4UD1	Knife Type 4 sq.mm Disconnect & Test Terminal Blocks with diode - D1 Configuration.
CSTSB5U	Screwdriver operated M5 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
STH4DT	Stud Type Terminal Block
CKT4U	4 sq.mm Knife Type Disconnect & Test Terminal Blocks with Socket screws
CDTTUSH	Disconnect & Test Terminal Block
CDS6U/SC	6 sq.mm Disconnect & Test Terminal Blocks
CDL4U(E)3LA	4 sq.mm Surge Suppression Terminal Blocks
CDB10	Modular Distribution Blocks with 10 sq.mm Output connections and 35 sq.mm Bolt Type Input Connection
CMDB25	25 sq.mm Modular Distribution Blocks.
CTS35UNA	35 sq.mm Feed Through Terminal Blocks with Allen Screws
DDDL4U	4 sq.mm Disconnect & Test Terminal Blocks with disconnecting link.
CAFL4UL	4 sq.mm Fuse Terminal Blocks with offline LED indication.
CSFL4U	4 sq.mm Fuse Terminal Blocks.
DB16	16 sq.mm Compact Distribution Blocks.
DDFL4U	4 sq.mm Double Level Fuse Terminal Blocks.
DDFL4ULR	4 sq.mm Double Level Fuse Terminal Blocks with two equi-potential points on each side.
CTL2.5UH	2.5 sq.mm Three Level Terminal Blocks suitable for sensor & actuator application
CTL2.5UH(I.S)D2	2.5 sq.mm Three Level Terminal Blocks with Diode suitable for sensor & actuator application
CTLG2.5	Three Level + Ground Feed through Terminal block
CSFL4UL	4 sq.mm Fuse Terminal Blocks with offline LED indication.
CTS25UN	25 sq.mm Standard Feed Through Terminal Blocks
CBS3U	M3 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CF4SP	4 sq.mm Single Level Fuse Terminal Blocks with Jumper possibility
CMCG4	4 sq.mm Multiple Connection Earthing Terminal Blocks with 4 connection points.
STH4DTFT	Stud Type Terminal Block
STH6	35 sq. mm Stud Type Terminal Block - with captive nuts.
CBB150LS	150 sq.mm Stud Type Power Terminal Blocks
CBB185LS	185 sq.mm Stud Type Power Terminal Blocks
CKT4SPSC	4 sq.mm Knife Type Disconnect & Test Terminal Blocks with Socket screws spring loaded.
CSC16T	16 sq.mm Spring Clamp Feed Through Terminal Blocks
CSC2.5T2-2	2.5 sq.mm Multiple Connection Feed Through Spring Clamp Terminal Blocks with 4 connection points.

SUITABLE FOR.....		SUITABLE FOR.....	
ADL2.5(E)D2	2.5 sq.mm Angular Double Level Spring Clamp Terminal Blocks with diode circuit - D2 Configuration	CTS16U	16 sq.mm Standard Feed Through Terminal Blocks
CSCDK2.5/4	2.5 sq.mm Knife Contact Type Disconnect & Test Spring Clamp Terminal Blocks with 4 connection points	CTLG2.5EMOV	2.5 sq.mm Triple Level Surge Suppression Terminal Blocks with additional grounding point.
CX6	6 sq.mm Spring Clamp Feed Through compact Terminal Blocks.	CTC4U	Tab Connection Terminal Blocks suitable for 4 sq.mm wire
CX4/4	4 sq.mm Spring Clamp Feed Through compact Terminal Blocks	CDL4UN(I,S)	4 sq.mm Double Level Internally Shorted Terminal Blocks.
CXG2.5/3	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks	CDTTU	6 sq.mm Disconnect & Test Terminal Blocks with Universal Mounting Possibility.
CXDLG2.5	2.5 sq.mm Double Level Earthing Terminal Blocks.	CHV6U	6 sq.mm High Voltage Terminal Blocks.
CKT4UD2	Knife Type 4 sq.mm Disconnect & Test Terminal Blocks with diode - D2 Configuration.	DDFL4UE	4 sq.mm Double Level Fuse Terminal Blocks with offline LED indication.
CSTSN4U	Nut driver operated M4 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.	CMC2-2	4 sq.mm Multiple Connection Terminal Blocks with 4 connection points.
STH4DTSH	-2146826246	ODL4U	4 sq.mm Offset Double Level Terminal Blocks.
CTS10USC	10 sq.mm Spring Loaded Terminal Blocks	CTS2.5UN	2.5 sq.mm, 5 mm thick Feed Through Terminal Block
CDL4UESD	4 sq.mm Surge Suppression Terminal Blocks - with surge suppression diode.	CTL2.5U	2.5 sq.mm Three Level Feed through Terminal Blocks
CDB25	Modular Distribution Blocks with 25 sq.mm Output connections and 50 sq.mm Bolt Type Input Connection	CTL2.5UHL	2.5 sq.mm Three Level Terminal Blocks with LED suitable for sensor & actuator application
CMDB10	10 sq.mm Modular Distribution Blocks.	CDL4UN	4 sq.mm Double Level Terminal Blocks.
CAFL4UN	Fuse Terminal Blocks	CAFL4U	4 sq.mm Fuse Terminal Blocks
CDB6	Modular Distribution Blocks with 6 sq.mm Output connections and 25 sq.mm Bolt Type Input Connection	CBB35/50	50 sq.mm Stud Type Power Terminal Blocks
CDL4U(I,S)	4 sq.mm Double Level Internally Shorted Terminal Blocks.	CDLG4	4 sq.mm Double Level Earthing Terminal Blocks.
CF4U	4 sq.mm Single Level Fuse Terminal Blocks	CBB70	70 sq.mm Stud Type Power Terminal Blocks
CTS4USC	4 sq.mm Spring Loaded Feed Through Terminal Blocks	DB25	25 sq.mm Compact Distribution Blocks.
CTT2.5U	2.5 sq.mm Thermocouple Terminal Blocks.	CF4SPL	4 sq.mm Single Level Fuse Terminal Blocks with LED indication.
DB35	35 sq.mm Compact Distribution Blocks.	CBS4U	M4 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
ODL4UA	Stackable 4 sq.mm Offset Double Level Terminal Blocks.	CSB4/N4U	M4 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.
CDLG2.5	Two Level + Ground Feed through Terminal block	STH3	6 sq. mm Stud Type Terminal Block - with captive nuts.
CF4UL	4 sq.mm Single Level Fuse Terminal Blocks with LED indication.	CSB3/N3UL	M3 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.
CDB4	Modular Distribution Blocks with 4 sq.mm Output connections and 16 sq.mm Bolt Type Input Connection	CBB95	95 sq.mm Stud Type Power Terminal Blocks
CKT4SP	4 sq.mm Knife Type Disconnect & Test Terminal Blocks with Socket screws and with possibility of using Jumpers	CBB70LS	70 sq.mm Stud Type Power Terminal Blocks
CM4USC	4 sq.mm Spring Loaded Feed Through Terminal Blocks	CBB150	150 sq.mm Stud Type Power Terminal Blocks
CBDT4U	Disconnect and Test Terminal Blocks	CDTTUFTSC	10 sq.mm Spring Loaded Feed Through Terminal Blocks
CBB35/50LS	50 sq.mm Stud Type Power Terminal Blocks	CCC4U	Component carrier terminal block
CBB95LS	95 sq.mm Stud Type Power Terminal Blocks	CTS25UN	25 sq.mm Standard Feed Through Terminal Blocks
CBB185	185 sq.mm Stud Type Power Terminal Blocks	CSC6T	6 sq.mm Spring Clamp Feed Through Terminal Blocks.
CSC2.5T	2.5 sq.mm Spring Clamp Feed Through Terminal Blocks	CSC4T2-2	4 sq.mm Multiple Connection Feed through Spring Clamp Terminal Blocks with 4 connection points.
CSC10T	10 sq.mm Spring Clamp Feed Through Terminal Blocks	CSC6T1-2	6 sq.mm Multiple Connection Feed through Spring Clamp Terminal Blocks with 3 connection points.
CSC2.5T1-2	2.5 sq.mm Multiple Connection Feed Through Spring Clamp Terminal Blocks with 3 connection points.	ADL2.5(I,S)	2.5 sq.mm Angular Double Level Spring Clamp Terminal Blocks, Internally Shorted
ADL2.5	2.5 sq.mm Angular Double Level Spring Clamp Terminal Blocks test	ADLG2.5	2.5 sq.mm Double Level and Grounding Terminal Blocks
ADL2.5(E)D1	2.5 sq.mm Angular Double Level Spring Clamp Terminal Blocks with diode circuit - D1 Configuration	ATL2.5H	2.5 sq.mm Triple Level Half Spring Clamp Terminal Blocks
ATLG2.5	2.5 sq.mm Triple Level and Grounding Spring Clamp Terminal Blocks	ASF4(L)	4 sq.mm Spring Clamp Fuse Terminal Blocks with LED indication
CSC4T(E)D2	4 sq.mm Spring Clamp Terminal Blocks with Electronic Components	CSC2.5T/4(E)D3	2.5 sq.mm Spring Clamp Terminal Blocks with diode circuit - D3 Configuration
CX4	4 sq.mm Spring Clamp Feed Through compact Terminal Blocks	AS6	6 sq.mm Angular Feed Through Spring Terminal Blocks.
CX4/3	4 sq.mm Spring Clamp Feed Through compact Terminal Blocks	CX2.5/3	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXG2.5/4	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks	CX2.5/4	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXDL2.5	2.5 sq.mm Double Level Spring Clamp Terminal Blocks	CXG2.5	2.5 sq.mm Ground/Earth Spring Clamp Terminal Blocks
AS2.5/4	Angular Multiple Connection Spring Terminal Blocks with 4 connection points.	CXG4/3	4 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXSG2.5	2.5 sq.mm feed Through Ground/Earth Spring Clamp Terminal Blocks	CXG4/4	4 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CX10	10 sq.mm Spring Clamp Feed Through compact Terminal Blocks	CXDLG2.5(I,S)	2.5 sq.mm Multiple Connection Earthing Terminal Blocks with 4 connection points.
CX10/3	10 sq.mm Spring Clamp Feed Through compact Terminal Blocks	AS4/4	4 sq.mm Angular Multiple Connection Spring Terminal Blocks with 4 connection points.
CXF4	4 sq.mm Spring Clamp Fuse compact Terminal Blocks	CXS2.5	2.5 sq.mm Spring Clamp Feed Through Side Entry Terminal Blocks
CXK2.5/4	2.5 sq.mm Spring Clamp knife disconnecting compact Terminal Blocks	CXG10	10 sq.mm Spring Clamp Earthing compact Terminal Blocks
CXDL2.5(E)LD1	2.5 sq.mm Double Level Terminal Blocks with LED indication -LD1 Configuration	CXK2.5	2.5 sq.mm Spring Clamp knife disconnecting compact Terminal Blocks
CDS6U/FTS	6 sq.mm Disconnect & Test Terminal Blocks	CXK4	4 sq.mm Spring Clamp knife disconnecting compact Terminal Blocks
CTS25UN	25 sq.mm Standard Feed Through Terminal Blocks	CXK4/4	4 sq.mm Spring Clamp knife disconnecting compact Terminal Blocks
AS6/3	6 sq.mm Angular Multiple Connection Spring Terminal Blocks with 3 connection points.	CXDL2.5(E)LD2	2.5 sq.mm Double Level Terminal Blocks with LED indication -LD2 Configuration
CXG10/3	10 sq.mm Spring Clamp Feed Through compact Terminal Blocks	CXDL2.5(E)TS1	2.5 sq.mm Double Level Terminal Blocks with Temperature Sensor indication - TS1 Configuration
CXF4L	4 sq.mm Spring Clamp Fuse compact Terminal Blocks		
CXCC4	4 sq.mm Component carrier spring clamp terminal block		
CSTSB4U	Screwdriver operated M4 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.		
STH4	4 sq. mm Stud Type Terminal Block - with captive nuts.		
CMC1-2	4 sq.mm Multiple Connection Terminal Blocks with 3 connection points.		
CDS6U/TS	6 sq.mm Disconnect & Test Terminal Blocks		
CDS6U	6 sq.mm Disconnect & Test Terminal Blocks		
CDL4U(E)RC	4 sq.mm Terminal Blocks with inbuilt RC circuit.		
CDL4UEMOV	4 sq.mm Surge Suppression Terminal Blocks with MOV		
CSDL4U	4 sq.mm Disconnect & Test Terminal Blocks - With Disconnecting Brass Link.		
CTS4UN	4 sq.mm Standard Feed Through Terminal Blocks		

EP2.5/4UN



End Plate

End Plates are used to cover the live parts of the last Terminal Block

PRODUCT SPECIFICATION

Height	32 mm
Width (Thickness)	1.5 mm
Length	39 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EP2.5/4UN	End Plate in Grey Colour	50

SUITABLE FOR

CTS2.5UE	2.5 sq.mm, 6 mm thick Feed Through Terminal Block
CTT2.5U	2.5 sq.mm Thermocouple Terminal Blocks.
CM4USC	4 sq.mm Spring Loaded Feed Through Terminal Blocks
CTS4UN	4 sq.mm Standard Feed Through Terminal Blocks
CTS2.5UN	2.5 sq.mm, 5 mm thick Feed Through Terminal Block

EP6/10U



End Plate

End Plates are used to cover the live parts of the last Terminal Block

PRODUCT SPECIFICATION

Height	31 mm
Width (Thickness)	1.5 mm
Length	42.5 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EP6/10U	End Plate in Grey colour	50
EP6/10UBU	End Plate in Blue colour	50

SUITABLE FOR

CTS6U	6 sq.mm Standard Feed Through Terminal Blocks
CTS10U	10 sq. mm Standard Feed Through Terminal Blocks

EPCMC1-2



End Plate

End Plates are used to cover the live parts of the last Terminal Block

PRODUCT SPECIFICATION

Height	35.5 mm
Width (Thickness)	2.5 mm
Length	46.5 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EPCMC1-2	End Plate in Grey colour suitable for CMC1-2 Terminal Block	50

SUITABLE FOR

CMC1-2	4 sq.mm Multiple Connection Terminal Blocks with 3 connection points.
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EPCMC2-2



End Plate

End Plates are used to cover the live parts of the last Terminal Block

PRODUCT SPECIFICATION

Height	40.5 mm
Width (Thickness)	2.5 mm
Length	65 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EPCMC2-2	End Plate in Grey colour	50

SUITABLE FOR

CMCG4	4 sq.mm Multiple Connection Earthing Terminal Blocks with 4 connection points.
CMC2-2	4 sq.mm Multiple Connection Terminal Blocks with 4 connection points.

EPCDL4U



End Plate

End Plates are used to cover the live parts of the last Terminal Block

PRODUCT SPECIFICATION

Height	43 mm
Width (Thickness)	2.4 mm
Length	55 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EPCDL4U	End Plate in Grey colour suitable for CDL4U / CDL4U(I.S) / CDL4U(E) Terminal Block	50

SUITABLE FOR

CDL4UESD	4 sq.mm Surge Suppression Terminal Blocks - with surge suppression diode.
CDL4UELD2	4 sq.mm Double Level Terminal Blocks with LED indication - LD2 Configuration
CDL4UED1	4 sq.mm Terminal Blocks with diode circuit - D1 configuration
CDL4UEDD5	4 sq.mm Terminal Blocks with diode circuit - DD5 configuration
CDL4UEL2	4 sq.mm Double Level Terminal Blocks with LED indication - L2 Configuration
CDL4U(I.S)	4 sq.mm Double Level Internally Shorted Terminal Blocks.
CDL4U(E)RC	4 sq.mm Terminal Blocks with inbuilt RC circuit.
CDL4UEMOV	4 sq.mm Surge Suppression Terminal Blocks with MOV
CDL4UEDD2	4 sq.mm Terminal Blocks with diode circuit - DD2 configuration
CDL4UED2	4 sq.mm Terminal Blocks with diode circuit - D2 configuration
CDL4UED4	4 sq.mm Terminal Blocks with diode circuit - D4 configuration
CDL4UEL1	4 sq.mm Double Level Terminal Blocks with LED indication - L1 Configuration
CDL4U(O)	4 sq.mm Double Level Terminal Blocks with open type current bars to house electronic components.
CDL4UELD4	4 sq.mm Double Level Terminal Blocks with LED indication - LD4 Configuration
CDL4UELD1-24V	4 sq.mm Double Level Terminal Blocks with LED indication -LD1 Configuration
CDL4UEDD4	4 sq.mm Terminal Blocks with diode circuit - DD4 configuration
CDL4UEDD1	4 sq.mm Terminal Blocks with diode circuit - DD1 configuration
CDL4U(E)3LA	4 sq.mm Surge Suppression Terminal Blocks
CDL4UELD5	4 sq.mm Double Level Terminal Blocks with LED indication - LD5 Configuration
CDL4UEN1	4 sq.mm Terminal Blocks with Neon Lamp indicator.
CDL4UELA	4 sq.mm Surge Suppression Terminal Blocks with Lightning Arrestor.
CDL4UEDD3	4 sq.mm Terminal Blocks with diode circuit - DD3 configuration
CDL4UED3	4 sq.mm Terminal Blocks with diode circuit - D3 configuration
CDL4UELD3	CDL4U(E)LD3 : 4 sq.mm Double Level Terminal Blocks with LED indication - LD3 Configuration
CDL4U	4 sq.mm Double Level Terminal Blocks.

EPCDL4UN



End Plate

End Plates are used to cover the live parts of the last Terminal Block

PRODUCT SPECIFICATION

Height	47.5 mm
Width (Thickness)	1.5 mm
Length	57 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EPCDL4UN	End Plate in Grey colour	50

SUITABLE FOR

CDLG4(I.S)	4 sq.mm Multiple Connection Earthing Terminal Blocks with 4 connection points.
CDL4UN(I.S)	4 sq.mm Double Level Internally Shorted Terminal Blocks.
CDL4UN	4 sq.mm Double Level Terminal Blocks.
CDLG4	4 sq.mm Double Level Earthing Terminal Blocks.

EP1ODL4U



End Plate

End Plate to compensate the offset of the Top Level of ODL4U Terminal Block

PRODUCT SPECIFICATION

Height	24 mm
Width (Thickness)	3 mm
Length	68 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EP1ODL4U	End Plate in Grey colour	50

SUITABLE FOR

ODL4UA	Stackable 4 sq.mm Offset Double Level Terminal Blocks.
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EPCDLG2.5



End Plate

End Plates are used to cover the live parts of the last Terminal Block

PRODUCT SPECIFICATION

Height	48 mm
Width (Thickness)	1.2 mm
Length	71.4 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EPCDLG2.5	End Plate in grey colour	50

SUITABLE FOR

CDLG2.5	Two Level + Ground Feed through Terminal block
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EPCTL2.5U



End Plate

End Plates are used to cover the live parts of the last Terminal Block

PRODUCT SPECIFICATION

Height	55.5 mm
Width (Thickness)	1.5 mm
Length	84 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EPCTL2.5U	End Plate in Grey colour suitable for CTL2.5U / CTL2.5U(I.S) / CTL2.5UL Terminal Block	50

SUITABLE FOR

CTL2.5U(I.S)	2.5 sq.mm Three Level internally shorted Terminal Blocks
CTL2.5UL	2.5 sq.mm Three Level Feed through Terminal Block with LED
CTL2.5U	2.5 sq.mm Three Level Feed through Terminal Blocks
CTL2.5UHL	2.5 sq.mm Three Level Terminal Blocks with LED suitable for sensor & actuator application

EPCTL2.5UH



End Plate

End Plates are used to cover the live parts of the last Terminal Block

PRODUCT SPECIFICATION

Height	55.5 mm
Width (Thickness)	1.5 mm
Length	61 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EPCTL2.5UH	End Plate in Grey colour suitable for CTL2.5UHL / CTL2.5UH(I.S)D2 Terminal Block	50

SUITABLE FOR

CTL2.5UH	2.5 sq.mm Three Level Terminal Blocks suitable for sensor & actuator application
CTL2.5UH(I.S)D2	2.5 sq.mm Three Level Terminal Blocks with Diode suitable for sensor & actuator application

EPCTLG2.5



End Plate

End Plates are used to cover the live parts of the last Terminal Block

PRODUCT SPECIFICATION

Height	62.5 mm
Width (Thickness)	1.2 mm
Length	87.5 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EPCTLG2.5	End Plate in Grey colour suitable for CTLG2.5 / CTLG2.5(E)MOV Terminal Blocks	50

SUITABLE FOR

CTLG2.5	Three Level + Ground Feed through Terminal block
CTLG2.5EMOV	2.5 sq.mm Triple Level Surge Suppression Terminal Blocks with additional grounding point.

EPCMT4



End Plate

End Plates are used to cover the live parts of the last Terminal Block

PRODUCT SPECIFICATION

Height	23 mm
Width (Thickness)	1.5 mm
Length	27 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EPCMT4	End Plate in Grey colour .	50

SUITABLE FOR

CMT4	4 sq.mm Micro Terminal Blocks.
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EPCMB4



End Plate

End Plates are used to cover the live parts of the last Terminal Block

PRODUCT SPECIFICATION

Height	27 mm
Width (Thickness)	7 mm
Length	27 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EPCMB4	End Plate in Grey colour suitable for CMB4 Terminal Block	50

SUITABLE FOR

CMB4 4 sq. mm Panel Mount Terminal Blocks.

EPCSFL4U



End Plate

End Plates are used to cover the live parts of the last Terminal Block

PRODUCT SPECIFICATION

Height	23.5 mm
Width (Thickness)	1.6 mm
Length	55.5 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EPCSFL4U	End Plate in Grey colour suitable for CSFL4U / CSFL4UL / CSDL4U Terminal Block	50

SUITABLE FOR

CSFL4U	4 sq.mm Fuse Terminal Blocks.
CSFL4UL	4 sq.mm Fuse Terminal Blocks with offline LED indication.
CSDL4U	4 sq.mm Disconnect & Test Terminal Blocks - With Disconnecting Brass Link.

EPCAFL4U



End Plate

End Plates are used to cover the live parts of the last Terminal Block

PRODUCT SPECIFICATION

Height	32 mm
Width (Thickness)	1.5 mm
Length	72 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EPCAFL4U	End Plate in Grey colour	25

SUITABLE FOR

CAFL4UL	4 sq.mm Fuse Terminal Blocks with offline LED indication.
CAFL4UN	Fuse Terminal Blocks
CAFL4U	4 sq.mm Fuse Terminal Blocks

EPDDL4U



End Plate

End Plates are used to cover the live parts of the last Terminal Block

PRODUCT SPECIFICATION

Height	49 mm
Width (Thickness)	3 mm
Length	87.6 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EPDDL4U	End Plate in Grey colour suitable for DDFL4U / DDFL4U(E) / DDFL4ULR / DDFL4U(E)LR Terminal Block	25

SUITABLE FOR

DDFL4UELR	4 sq.mm Double Level Fuse Terminal Blocks with two equi-potential points on each side and offline LED indication.
DDDL4U	4 sq.mm Disconnect & Test Terminal Blocks with disconnecting link.
DDFL4U	4 sq.mm Double Level Fuse Terminal Blocks.
DDFL4ULR	4 sq.mm Double Level Fuse Terminal Blocks with two equi-potential points on each side.
DDFL4UE	4 sq.mm Double Level Fuse Terminal Blocks with offline LED indication.

EPCDTTU



End Plate

End Plates are used to cover the live parts of the last Terminal Block

PRODUCT SPECIFICATION

Height	41 mm
Width (Thickness)	3 mm
Length	63 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EPCDTTU	End Plate in Grey colour suitable	50

SUITABLE FOR

CDTTUSH	Disconnect & Test Terminal Block
CDTTUSC	10 sq.mm Disconnect & Test Terminal Blocks
CDTTUFT	10 sq. mm Feed Through Terminal Blocks
CDTTU	6 sq.mm Disconnect & Test Terminal Blocks with Universal Mounting Possibility.
CDTTUFTSC	10 sq.mm Spring Loaded Feed Through Terminal Blocks

EPCKT4U



End Plate

End Plates are used to cover the live parts of the last Terminal Block

PRODUCT SPECIFICATION

Height	30.5 mm
Width (Thickness)	2.5 mm
Length	46.5 mm
Material	polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EPCKT4U	End Plate in Grey colour	50

SUITABLE FOR

CKT4UD2	Knife Type 4 sq.mm Disconnect & Test Terminal Blocks with diode - D2 Configuration.
CKT4U/S	4 sq.mm Knife Type Disconnect & Test Terminal Blocks with Standard screws
CKT4UD1	Knife Type 4 sq.mm Disconnect & Test Terminal Blocks with diode - D1 Configuration.
CKT4U	4 sq.mm Knife Type Disconnect & Test Terminal Blocks with Socket screws

EPCKT4U/4



End Plate

End Plates are used to cover the live parts of the last Terminal Block

PRODUCT SPECIFICATION

Height	65 mm
Width (Thickness)	1.5 mm
Length	38.3 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EPCKT4U/4	End Plate in Grey colour	50

SUITABLE FOR

CKT4U/4	4 sq.mm Disconnect & Test Terminal Blocks with Knife Type disconnecting contact and multiple connection points.
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EPCDS6U



End Plate

End Plates are used to cover the live parts of the last Terminal Block

PRODUCT SPECIFICATION

Height	37.2 mm
Width (Thickness)	1.5 mm
Length	82 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EPCDS6U	End Plate in Grey colour	50

SUITABLE FOR

CDS6U/FTS	6 sq.mm Disconnect & Test Terminal Blocks
CDS6U/TS	6 sq.mm Disconnect & Test Terminal Blocks
CDS6U/FT	6 sq.mm Disconnect & Test Terminal Blocks
CDS6U/SC	6 sq.mm Disconnect & Test Terminal Blocks

EPCGT4UY



End Plate

End Plates are used to cover the live parts of the last Terminal Block

PRODUCT SPECIFICATION

Height	40.5 mm
Width (Thickness)	1 mm
Length	43 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EPCGT4UY	End Plate in Yellow colour	50

SUITABLE FOR

CGT4U	4 sq.mm Ground / Earth Terminal Blocks for multi-rail mounting
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EPUSC



End Plate

End Plates are used to cover the live parts of the last Terminal Block

PRODUCT SPECIFICATION

Height	52 mm
Width (Thickness)	1.5 mm
Length	48.5 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EPUSC	End Plate in Grey colour	50

SUITABLE FOR

CHV6U	6 sq.mm High Voltage Terminal Blocks.
CHV4U	4 sq.mm High Voltage Terminal Blocks.
CTS6USC	6 sq.mm Spring Loaded Feed through Terminal Blocks
CHV10U	10 sq. mm High Voltage Terminal Blocks.
CTS10USC	10 sq.mm Spring Loaded Terminal Blocks
CTS4USC	4 sq.mm Spring Loaded Feed Through Terminal Blocks

EPCTC4U



End Plate

End Plates are used to cover the live parts of the last Terminal Block

PRODUCT SPECIFICATION

Height	34.5 mm
Width (Thickness)	2.5 mm
Length	47 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EPCTC4U	End Plate in Grey colour suitable for CTC4U Terminal Block	50

SUITABLE FOR

CTC4U	Tab Connection Terminal Blocks suitable for 4 sq.mm wire
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EPCSTSU



End Plate

End Plates are used to cover the live parts of the last Terminal Block

PRODUCT SPECIFICATION

Height	31 mm
Width (Thickness)	1.5 mm
Length	50 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EPCSTSU	EEnd Plate in Grey colour suitable for CSTSN4U/N5U/N6U/B4U/B5U Terminal Block	50

SUITABLE FOR

CSTSN4U	Nut driver operated M4 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
CSTSB5U	Screwdriver operated M5 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
CSTSN5U	Nut driver operated M5 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
CSTSN6U	Nut driver operated M6 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
CSTSB4U	Screwdriver operated M4 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.

EPCSTSU



End Plate

End Plates are used to cover the live parts of the last Terminal Block

PRODUCT SPECIFICATION

Height	31 mm
Width (Thickness)	1.5 mm
Length	50 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EPCSTSU	EEnd Plate in Grey colour suitable for CSTSN4U/N5U/N6U/B4U/B5U Terminal Block	50

SUITABLE FOR

CSTSN4U	Nut driver operated M4 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
CSTSB5U	Screwdriver operated M5 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
CSTSN5U	Nut driver operated M5 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
CSTSN6U	Nut driver operated M6 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
CSTSB4U	Screwdriver operated M4 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.

EPSTH4



End Plate

End Plates are used to cover the live parts of the last Terminal Block

PRODUCT SPECIFICATION

Height	39.5 mm
Width (Thickness)	1.5 mm
Length	46 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EPSTH4	End Plate in Grey colour suitable for STH4 Terminal Block	50

SUITABLE FOR

STH4	4 sq. mm Stud Type Terminal Block - with captive nuts.
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EPSTH4DT



End Plate

End Plates are used to cover the live parts of the last Terminal Block

PRODUCT SPECIFICATION

Height	37.5 mm
Width (Thickness)	1.5 mm
Length	86 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EPSTH4DT	End Plate in Grey colour suitable for STH4DT / STH4DTSH Terminal Block	50

SUITABLE FOR

STH4DTSH	-2146826246
STH4DT	Stud Type Terminal Block
STH4DTFT	Stud Type Terminal Block

EPCSC2.5T



End Plate

End Plates are used to cover the live parts of the last Terminal Block

PRODUCT SPECIFICATION

Height	23 mm
Width (Thickness)	1.5 mm
Length	58 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EPCSC2.5T	End Plate in Grey colour	50

SUITABLE FOR

CSC2.5T	2.5 sq.mm Spring Clamp Feed Through Terminal Blocks
CSCG2.5T	2.5 sq.mm feed Through Ground/Earth Spring Clamp Terminal Blocks

EPCSC4T



End Plate

End Plates are used to cover the live parts of the last Terminal Block

PRODUCT SPECIFICATION

Height	28 mm
Width (Thickness)	1.5 mm
Length	65 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EPCSC4T	End Plate in Grey colour	50

SUITABLE FOR

CSC4T	4 sq.mm Feed Through Spring Clamp Terminal Blocks.
CSC4T(E)D1	4 sq.mm Spring Clamp Terminal Blocks with Electronic Components
CSCG4T	4 sq.mm Feed Through Ground/Earth Spring Clamp Terminal Blocks
CSC4T(E)D2	4 sq.mm Spring Clamp Terminal Blocks with Electronic Components

EPCSC6T



End Plate

End Plates are used to cover the live parts of the last Terminal Block

PRODUCT SPECIFICATION

Height	31.5 mm
Width (Thickness)	2 mm
Length	72 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EPCSC6T	End Plate in Grey colour	50

SUITABLE FOR

CSC6T	6 sq.mm Spring Clamp Feed Through Terminal Blocks.
CSCG6T	6 sq.mm Feed Through Ground/Earth Spring Clamp Terminal Blocks

PP2.5/4UN



Partition Plate

Partition Plate are used to segregate different groups of Terminal Blocks and provide the required creepage and clearance values in an assembly. Partition Plates electrically isolate adjacent shorting links. They also provide a separation between Terminal Blocks of different potentials.

PRODUCT SPECIFICATION

Height	37 mm
Width (Thickness)	1.6 mm
Depth	44 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
PP2.5/4UN	Partition Plate in Grey colour	50

SUITABLE FOR

CTS2.5UE	2.5 sq.mm, 6 mm thick Feed Through Terminal Block
CTT2.5U	2.5 sq.mm Thermocouple Terminal Blocks.
CM4USC	4 sq.mm Spring Loaded Feed Through Terminal Blocks
CTS4UN	4 sq.mm Standard Feed Through Terminal Blocks
CTS2.5UN	2.5 sq.mm, 5 mm thick Feed Through Terminal Block

PP6/10U



Partition Plate

Partition Plate are used to segregate different groups of Terminal Blocks and provide the required creepage and clearance values in an assembly. Partition Plates electrically isolate adjacent shorting links. They also provide a separation between Terminal Blocks of different potentials.

PRODUCT SPECIFICATION

Height	37.5 mm
Width (Thickness)	1.5 mm
Length	56.5 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
PP6/10U	Partition Plate in Grey colour suitable for CTS6U / CTS10U Terminal Block	50

SUITABLE FOR

CTS6U	6 sq.mm Standard Feed Through Terminal Blocks
CTS10U	10 sq. mm Standard Feed Through Terminal Blocks

PP25UN



Partition Plate

Partition Plates are used to segregate different groups of Terminal Blocks and provide the required creepage and clearance values in an assembly. Partition Plates electrically isolate adjacent shorting links. They also provide a separation between Terminal Blocks of different potentials.

PRODUCT SPECIFICATION

Height	42.5 mm
Width (Thickness)	1 mm
Length	62 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
PP25UN	Partition Plate in Grey colour suitable for CTS25UN Terminal Block	50

SUITABLE FOR

CTS25UN	25 sq.mm Standard Feed Through Terminal Blocks
CTS25UN	25 sq.mm Standard Feed Through Terminal Blocks
CTS25UN	25 sq.mm Standard Feed Through Terminal Blocks

PP35UN



Partition Plate

Partition Plate are used to segregate different groups of Terminal Blocks and provide the required creepage and clearance values in an assembly. Partition Plates electrically isolate adjacent shorting links. They also provide a separation between Terminal Blocks of different potentials.

PRODUCT SPECIFICATION

Height	50 mm
Width (Thickness)	1 mm
Length	64.5 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
PP35UN	Partition Plate in Grey colour suitable for CTS35UN Terminal Block	50

SUITABLE FOR

CTS35UNA	35 sq.mm Feed Through Terminal Blocks with Allen Screws
CTS35UN	35 sq.mm Feed Through Terminal Blocks with Slotted Screws

PPCMT4



Partition Plate

Partition Plate are used to segregate different groups of Terminal Blocks and provide the required creepage and clearance values in an assembly. Partition Plates electrically isolate adjacent shorting links. They also provide a separation between Terminal Blocks of different potentials.

PRODUCT SPECIFICATION

Height	32 mm
Width (Thickness)	1.6 mm
Length	37 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
PPCMT4	Partition Plate in Grey colour suitable for CMT4 Terminal Block	50

SUITABLE FOR

CMT4	4 sq.mm Micro Terminal Blocks.
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PPCSFL4U



Partition Plate

Partition Plate are used to segregate different groups of Terminal Blocks and provide the required creepage and clearance values in an assembly. Partition Plates electrically isolate adjacent shorting links. They also provide a separation between Terminal Blocks of different potentials.

PRODUCT SPECIFICATION

Height	42.5 mm
Width (Thickness)	1.5 mm
Length	62 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
PPCSFL4U	Partition Plate in Grey colour	50

SUITABLE FOR

CSFL4U	4 sq.mm Fuse Terminal Blocks.
CSFL4UL	4 sq.mm Fuse Terminal Blocks with offline LED indication.

PPCSC2.5T



Partition Plate

Partition Plate are used to segregate different groups of Terminal Blocks and provide the required creepage and clearance values in an assembly. Partition Plates electrically isolate adjacent shorting links. They also provide a separation between Terminal Blocks of different potentials.

PRODUCT SPECIFICATION

Height	28 mm
Width (Thickness)	1.5 mm
Length	58.7 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
PPCSC2.5T	Partition Plate in Grey colour	50

SUITABLE FOR

CSC2.5T	2.5 sq.mm Spring Clamp Feed Through Terminal Blocks
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PPCSC4T



Partition Plate

Partition Plate are used to segregate different groups of Terminal Blocks and provide the required creepage and clearance values in an assembly. Partition Plates electrically isolate adjacent shorting links. They also provide a separation between Terminal Blocks of different potentials.

PRODUCT SPECIFICATION

Height	33 mm
Width (Thickness)	1.5 mm
Length	65 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
PPCSC4T	Partition Plate in Grey colour	50

SUITABLE FOR

CSC4T	4 sq.mm Feed Through Spring Clamp Terminal Blocks.
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PPCSC6T



Partition Plate

Partition Plate are used to segregate different groups of Terminal Blocks and provide the required creepage and clearance values in an assembly. Partition Plates electrically isolate adjacent shorting links. They also provide a separation between Terminal Blocks of different potentials.

PRODUCT SPECIFICATION

Height	36.5 mm
Width (Thickness)	2 mm
Length	72 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
PPCSC6T	Partition Plate in Grey colour	50

SUITABLE FOR

CSC6T	6 sq.mm Spring Clamp Feed Through Terminal Blocks.
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CMSTPP



Partition Plate

Partition Plates are used to segregate different groups of Terminal Blocks and provide the required creepage and clearance values in an assembly. Partition Plates electrically isolate adjacent shorting links. They also provide a separation between Terminal Blocks of different potentials.

PRODUCT SPECIFICATION

Height	23 mm
Width (Thickness)	1.5 mm
Length	27 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CMSTPP	Partition Plate in Khaki / Beige colour	50

SUITABLE FOR

CMST2	2.5 sq.mm Multipole Strip Terminal Blocks with direct soldering points.
CMST1	2.5 sq.mm Multipole Strip Terminal Blocks.

CSTSP



Partition Plate

Partition Plates are used to segregate different groups of Terminal Blocks and provide the required creepage and clearance values in an assembly. Partition Plates electrically isolate adjacent shorting links. They also provide a separation between Terminal Blocks of different potentials.

PRODUCT SPECIFICATION

Height	50 mm
Width (Thickness)	3 mm
Length	60 mm
Material	Melamine

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CSTSP	Partition Plate in Khaki / Beige colour	50

SUITABLE FOR

CSTSB5	M5 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CSTSN4	M4 sized Stud Type Terminal Blocks, suitable for operation with nut driver.
CSTSN5	M5 sized Stud Type Terminal Blocks, suitable for operation with nut driver.
CSTSB3	M3 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CSTSB4	M4 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CSTSN6	M6 sized Stud Type Terminal Blocks, suitable for operation with nut driver.
CSTSN415P	M4 sized Stud Type Terminal Blocks, suitable for operation with nut driver - in 15 mm thickness.
CSTSN515P	M5 sized Stud Type Terminal Blocks, suitable for operation with nut driver - in 15 mm thickness.

CTSEP4



Partition Plate

Partition Plates are used to segregate different groups of Terminal Blocks and provide the required creepage and clearance values in an assembly. Partition Plates electrically isolate adjacent shorting links. They also provide a separation between Terminal Blocks of different potentials.

PRODUCT SPECIFICATION

Height	75 mm
Width (Thickness)	2.5 mm
Length	120 mm
Material	Melamine

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CTSEP4	Partition Plate in Khaki / Beige colour	50

SUITABLE FOR

CTS35L	35 sq.mm Bus Bar Type Terminal Blocks with locking nut.
CTS70LS	70 sq.mm Bus Bar Type Terminal Blocks with tapped current bars.
CTS70L	70 sq.mm Bus Bar Type Terminal Blocks with locking nut.
CTS35LS	35 sq.mm Bus Bar Type Terminal Blocks with tapped current bars.

AUX6AC



Auxiliary Terminal Block

In certain power circuits, there is a need to take an extra connection for an Auxiliary circuit like an indicating light or contractor. The AUX6 terminal easily plugs into the terminal and provides this extra connection point.

PRODUCT SPECIFICATION

Height	29.4 mm
Width (Thickness)	8 mm
Length	53.6 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
AUX6AC	Auxiliary Terminal Block in Polyamide suitable for CTS50/70N / CTS95/120N	10

SUITABLE FOR

CTS95/120N	95/120 sq.mm Feed Through Terminal Blocks with Allen Screws
CTS50/70NA	50/70 sq.mm Feed Through Terminal Blocks with Allen Screws
CTS50/70N	50/70 sq.mm Feed Through Terminal Blocks with Slotted Screws

CA506/01



Switchable shorting links.

Removable Shorting links are used for switchable cross connection of adjacent Terminal Blocks of the same size. They can be used only in conjunction with the Long Shorting Sleeves and Screws.

PRODUCT SPECIFICATION

Rated Current 21 A

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA506/01	Removable Shorting link suitable for CTS2.5(M)	100

SUITABLE FOR

CTS2.5M 2.5 sq.mm Standard Feed Through Terminal Blocks

CA507/L/Q/01



Long Sleeves & Screws

Long Shorting Sleeves for temporary shorting These links are used for switchable cross connection of adjacent Terminal Blocks of the same size. They can be used only in conjunction with the Long Shorting Sleeves and Screws.

PRODUCT SPECIFICATION

Torque 0.4 Nm

CIRCUIT DIAGRAM



ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA507/L/Q/01	Long Shorting Sleeve and Screw suitable for CTS2.5(M) Terminal Block	100

SUITABLE FOR

CTS2.5M 2.5 sq.mm Standard Feed Through Terminal Blocks

CA507/S/Q/01



Shorting Sleeves & Screws

Shorting Sleeves & Screws ensure reliable and mechanically safe electrical connections between shorting links and the Terminal Block current bars. One shorting sleeve is required for each shorted Terminal Block. They are made of nickel plated brass. Shorting Sleeve and Screws are supplied with spring washer. The shorting screws must be tightened to the recommended torque specified to get a reliable connection.

PRODUCT SPECIFICATION

Torque 0.4 Nm

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA507/S/Q/01	Shorting Sleeve and Screw suitable for CTS2.5(M) Terminal Block	100

SUITABLE FOR

CTS2.5M 2.5 sq.mm Standard Feed Through Terminal Blocks

CA512/11-2



Removable Shorting Links

These links have a possibility of quick insertion and removal. The entire nut assembly of the Terminal Block need not be removed for the insertion or removal of these links. They are available in standard 2, 3 or 4 pole configurations. They are also available in an insulated version which provides shock protection when installed on Terminal Blocks.

PRODUCT SPECIFICATION

Torque	1.2 Nm
Rated Current	125 A
Relay Approvals	Enter your state here
Maximum On State Voltage Drop	Enter your state here V

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA512/11-2	Removable Shorting Link available in 2 Pole	50
CA512/11-3	Removable Shorting Link available in 3 Pole	50
CA512/11-4	Removable Shorting Link available in 4 Pole	50

SUITABLE FOR

CSTSRN6	M6 sized Stud Type Terminal Blocks, suitable for operation with nut driver.
CSTSRN5	M5 sized Stud Type Terminal Blocks, suitable for operation with nut driver.

CA514/11-2



Insulated Removable Shorting Links

These links have a possibility of quick insertion and removal. The entire nut assembly of the Terminal Block need not be removed for the insertion or removal of these links. They are available in standard 2, 3 or 4 pole configurations. They are also available in an insulated version which provides shock protection when installed on Terminal Blocks.

PRODUCT SPECIFICATION

Torque	1.2 Nm
Rated Current	125 A

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA514/11-2	Insulated Removable Shorting Link available in 2 Pole	50

SUITABLE FOR

CSTSRN5	M5 sized Stud Type Terminal Blocks, suitable for operation with nut driver.
CSTSRN6	M6 sized Stud Type Terminal Blocks, suitable for operation with nut driver.

CA604/1



Hook Type Lug / Ferrule

1.5 sq.mm Hook Type Lug / Ferrule

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA604/1	Hook Type Lug / Ferrule	100
CA604/2	Hook Type Lug / Ferrule	100
CA604/3	Hook Type Lug / Ferrule	100
CA604/4	Hook Type Lug / Ferrule	100
CA604/5	Hook Type Lug / Ferrule	100

SUITABLE FOR

CTS6USC	6 sq.mm Spring Loaded Feed through Terminal Blocks
CTS4SC	4 sq.mm Spring Loaded Feed Through Terminal Blocks
CTS10USC	10 sq.mm Spring Loaded Terminal Blocks
CTS6SC	6 sq.mm Spring Loaded Feed through Terminal Blocks
CTS4USC	4 sq.mm Spring Loaded Feed Through Terminal Blocks
CM4USC	4 sq.mm Spring Loaded Feed Through Terminal Blocks
CTS10SC	10 sq.mm Spring Loaded Terminal Blocks.

CA627/2



Pre Assembled Shorting Links

Internal Shorting Link Assemblies consist of a Current Bar shorting Sleeves and Screws. They install easily into the center of the Terminal Block and connect to the current bar. They are available as standard 2, 3, 4, or 10 pole assemblies and are ready for immediate installation.

PRODUCT SPECIFICATION

Torque 0.4 Nm

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA627/2	Preassembled Internal Shorting Link Assemblies with 2 poles	100
CA627/3	Preassembled Internal Shorting Link Assemblies with 3 poles	100
CA627/4	Preassembled Internal Shorting Link Assemblies with 4 poles	100
CA627/10	Preassembled Internal Shorting Link Assemblies with 4 poles	10

SUITABLE FOR

CDLG2.5	Two Level + Ground Feed through Terminal block
CTLG2.5	Three Level + Ground Feed through Terminal block

CA703/01



Permanent Shorting Links

Shorting Links are used to create custom shorting assemblies for increased number of poles. The current bar with the required number of poles can be selected, or can be cut in the field to the required length.

PRODUCT SPECIFICATION

Torque 24 Nm

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA703/01	Permanent Shorting Links for 2 way shorting	100
CA704/01	Permanent Shorting Links for 3 way shorting	100
CA705/01	Permanent Shorting Links for 4 way shorting	100
CA731/10	Permanent Shorting Links for 10 way shorting	100
CA731/100	Permanent Breakable Shorting Links for 100 way	10

SUITABLE FOR

CTS2.5UN 2.5 sq.mm, 5 mm thick Feed Through Terminal Block

CA509/K2B4



Marking Tags

The quick to fix K series Marking Tags facilitate identification of Electrical circuits in a Terminal Block assembly. This in turn makes the maintenance of individual components quicker and hassle free. The tags come with a large surface area providing better visibility. The Marking Tags are available in both printed and blank versions. The printing can be horizontal or vertical in 2 or 3 digits, alphabets or symbols or a combination of these depending on users requirement.

PRODUCT SPECIFICATION

Height	5.8 mm
Width (Thickness)	9.1 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA509/K2B4	Blank Marking Tag	100

SUITABLE FOR

CSTSB4U	Screwdriver operated M4 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
CMDT4SH	Disconnect and Test Terminal Blocks
CSTSB5	M5 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CTS70L	70 sq.mm Bus Bar Type Terminal Blocks with locking nut.
CTS35LS	35 sq.mm Bus Bar Type Terminal Blocks with tapped current bars.
CSTSN5U	Nut driver operated M5 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
CSTSN6U	Nut driver operated M6 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
CMDT4	Disconnect and Test Terminal Blocks
CSTSB3	M3 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CSTSB4	M4 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CSTSN6	M6 sized Stud Type Terminal Blocks, suitable for operation with nut driver.
CTS95L	95 sq.mm Bus Bar Type Terminal Blocks with locking nut.
CTS70LS	70 sq.mm Bus Bar Type Terminal Blocks with tapped current bars.
CTS95LS	95 sq.mm Bus Bar Type Terminal Blocks with tapped current bars.
CSTSN4U	Nut driver operated M4 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
CDTTS	Disconnect and Test Terminal Blocks
CSTSN4	M4 sized Stud Type Terminal Blocks, suitable for operation with nut driver.
CSTSN5	M5 sized Stud Type Terminal Blocks, suitable for operation with nut driver.
CBDT4U	Disconnect and Test Terminal Blocks
CSTSB5U	Screwdriver operated M5 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
CDTTS-SH	Disconnect and Test Terminal Blocks
CSTSN415P	M4 sized Stud Type Terminal Blocks, suitable for operation with nut driver - in 15 mm thickness.
CSTSB4/N4	M4 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.
CSTSN515P	M5 sized Stud Type Terminal Blocks, suitable for operation with nut driver - in 15 mm thickness.
CTS35L	35 sq.mm Bus Bar Type Terminal Blocks with locking nut.

CA509/K3



Marking Tags

The quick to fix K series Marking Tags facilitate identification of Electrical circuits in a Terminal Block assembly. This in turn makes the maintenance of individual components quicker and hassle free. The tags come with a large surface area providing better visibility. The Marking Tags are available in both printed and blank versions. The printing can be horizontal or vertical in 2 or 3 digits, alphabets or symbols or a combination of these depending on users requirement.

PRODUCT SPECIFICATION

Pitch	10 mm
Length	4.8 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA509/K3	Blank Marking Tag	100

SUITABLE FOR

CSCP2.5T2	2.5 sq.mm Spring Clamp Panel Mount Terminal Blocks with multiple connection points.
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CA509/K5



Marking Tags

The quick to fix K series Marking Tags facilitate identification of Electrical circuits in a Terminal Block assembly. This in turn makes the maintenance of individual components quicker and hassle free. The tags come with a large surface area providing better visibility. The Marking Tags are available in both printed and blank versions. The printing can be horizontal or vertical in 2 or 3 digits, alphabets or symbols or a combination of these depending on users requirement.

PRODUCT SPECIFICATION		SUITABLE FOR....		
Height	5 mm	CXDL2.5(E)DD3	2.5 sq.mm Terminal Blocks with diode circuit - DD3 configuration	
Length	4.8 mm	CXS2.5	2.5 sq.mm Spring Clamp Feed Through Side Entry Terminal Blocks	
Material	Polyamide	CXK2.5	2.5 sq.mm Spring Clamp knife disconnecting compact Terminal Blocks	
ORDERING INFORMATION		CXDL2.5(E)LD2	2.5 sq.mm Double Level Terminal Blocks with LED indication -LD2 Configuration	
CAT. NO.	DESCRIPTION	STD. PACK	CXDL2.5(E)TS1	2.5 sq.mm Double Level Terminal Blocks with Temperature Sensor indication - TS1 Configuration
CA509/K5	Blank Marking Tag	100	SUITABLE FOR	
CENC4	4 sq.mm Neutral / Earth Clamps	CTT2.5U	2.5 sq.mm Thermocouple Terminal Blocks.	
CXK2.5	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks	CX10	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks	
CSC2.5T2-2	2.5 sq.mm Multiple Connection Feed Through Spring Clamp Terminal Blocks with 4 connection points.	CXF4	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks	
ADL2.5(E)D2	2.5 sq.mm Angular Double Level Spring Clamp Terminal Blocks with diode circuit - D2 Configuration	CSC2.5T	2.5 sq.mm Spring Clamp Feed Through Terminal Blocks	
CSCG2.5T	2.5 sq.mm feed Through Ground/Earth Spring Clamp Terminal Blocks	CSC2.5T1-2	2.5 sq.mm Multiple Connection Feed Through Spring Clamp Terminal Blocks with 3 connection points.	
CSCDK2.5/4	2.5 sq.mm Knife Contact Type Disconnect & Test Spring Clamp Terminal Blocks with 4 connection points	ADL2.5	2.5 sq.mm Angular Double Level Spring Clamp Terminal Blocks test	
AGT2.5	2.5 sq.mm Angular Spring Clamp Ground / Earth Terminal Blocks.	ADL2.5(E)D1	2.5 sq.mm Angular Double Level Spring Clamp Terminal Blocks with diode circuit - D1 Configuration	
CXG2.5/3	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks	CX4/3	4 sq.mm Spring Clamp Feed Through compact Terminal Blocks	
CXDLG2.5	2.5 sq.mm Double Level Earthing Terminal Blocks.	CXG2.5/4	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks	
CXDL2.5(E)D3	2.5 sq.mm Terminal Blocks with diode circuit - D3 configuration	CXDL2.5	2.5 sq.mm Double Level Spring Clamp Terminal Blocks	
CX10/3	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks	CXDL2.5(E)DD1	2.5 sq.mm Terminal Blocks with diode circuit - DD1 configuration	
CXG10/3	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks	CXDL2.5(E)DD4	2.5 sq.mm Terminal Blocks with diode circuit - DD4 configuration	
CXK2.5/4	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks	AS2.5/4	Angular Multiple Connection Spring Terminal Blocks with 4 connection points.	
CSC2.5T2-2P	2.5 sq.mm Feed Through Spring Clamp Terminal Blocks - For Dual Potential Systems.	CXSG2.5	2.5 sq.mm feed Through Ground/Earth Spring Clamp Terminal Blocks	
CSCDK2.5	2.5 sq.mm Knife Contact Type Disconnect & Test Spring Clamp Terminal Blocks	CXK2.5/4	2.5 sq.mm Spring Clamp knife disconnecting compact Terminal Blocks	
AS2.5	2.5 sq.mm Angular Feed Through Spring Terminal Blocks.	CXDL2.5(E)LD1	2.5 sq.mm Double Level Terminal Blocks with LED indication -LD1 Configuration	
AGT2.5/3	2.5 sq.mm Angular Spring Clamp Ground / Earth - Multiple Connection Terminal Blocks with 3 connection points.	CMS2.5	2.5 sq. mm spring clamp Panel Mount Terminal Blocks.	
CX2.5	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks			
CXDL2.5(I.S)	2.5 sq.mm Multiple Connection Internally shorted Terminal Blocks with 4 connection points.			
CXDL2.5(E)D2	2.5 sq.mm Terminal Blocks with diode circuit - D2 configuration			
AS2.5/3	2.5 sq.mm Angular Multiple Connection Spring Terminal Blocks with 3 connection points.			
CTS2.5UN	2.5 sq.mm, 5 mm thick Feed Through Terminal Block			
ADL2.5(I.S)	2.5 sq.mm Angular Double Level Spring Clamp Terminal Blocks, Internally Shorted			
CSC2.5T/4(E)D3	2.5 sq.mm Spring Clamp Terminal Blocks with diode circuit - D3 Configuration			
AGT2.5/4	2.5 sq.mm Angular Spring Clamp Ground / Earth - Multiple Connection Terminal Blocks with 4 connection points.			
CX2.5/3	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks			
CX2.5/4	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks			
CXG2.5	2.5 sq.mm Ground/Earth Spring Clamp Terminal Blocks			
CXDLG2.5(I.S)	2.5 sq.mm Multiple Connection Earthing Terminal Blocks with 4 connection points.			
CXDL2.5(E)D1	2.5 sq.mm Terminal Blocks with diode circuit - D1 configuration			
CXDL2.5(E)DD2	2.5 sq.mm Terminal Blocks with diode circuit - DD2 configuration			

CA509/K6F



Marking Tags

The quick to fix K series Marking Tags facilitate identification of Electrical circuits in a Terminal Block assembly. This in turn makes the maintenance of individual components quicker and hassle free. The tags come with a large surface area providing better visibility. The Marking Tags are available in both printed and blank versions. The printing can be horizontal or vertical in 2 or 3 digits, alphabets or symbols or a combination of these depending on users requirement.

PRODUCT SPECIFICATION

Height	9.5 mm
Length	60 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA509/K6F	Blank Marking Tag	10

SUITABLE FOR

CM4USC	4 sq.mm Spring Loaded Feed Through Terminal Blocks
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CA509/K8



Marking Tags

The quick to fix K series Marking Tags facilitate identification of Electrical circuits in a Terminal Block assembly. This in turn makes the maintenance of individual components quicker and hassle free. The tags come with a large surface area providing better visibility. The Marking Tags are available in both printed and blank versions. The printing can be horizontal or vertical in 2 or 3 digits, alphabets or symbols or a combination of these depending on users requirement.

PRODUCT SPECIFICATION

Height	10.5 mm
Width (Thickness)	7.5 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA509/K8/V	Marking Tag with Vertical printing.	100

SUITABLE FOR....

CDTTUFT	10 sq. mm Feed Through Terminal Blocks
ASF4	4 sq.mm Spring Clamp Fuse Terminal Blocks
CX6/3	6 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXG6	6 sq.mm Ground/Earth Spring Clamp Compact Terminal Blocks
AS6/3	6 sq.mm Angular Multiple Connection Spring Terminal Blocks with 3 connection points.

SUITABLE FOR

CGT6N	6 sq.mm Ground / Earth Terminal Blocks
CDB6	Modular Distribution Blocks with 6 sq.mm Output connections and 25 sq.mm Bolt Type Input Connection
CF4U	4 sq.mm Single Level Fuse Terminal Blocks
CF4UL	4 sq.mm Single Level Fuse Terminal Blocks with LED indication.
AGT6	6 sq.mm Angular Spring Clamp Ground / Earth Terminal Blocks.
CX10/3	10 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CDS6U/FTS	6 sq.mm Disconnect & Test Terminal Blocks
CDS6U/TS	6 sq.mm Disconnect & Test Terminal Blocks
CDS6U	6 sq.mm Disconnect & Test Terminal Blocks
CSDL4U	4 sq.mm Disconnect & Test Terminal Blocks - With Disconnecting Brass Link.
CDTTU	6 sq.mm Disconnect & Test Terminal Blocks with Universal Mounting Possibility.
CHV6U	6 sq.mm High Voltage Terminal Blocks.
DDFL4UE	4 sq.mm Double Level Fuse Terminal Blocks with offline LED indication.
STH3	6 sq. mm Stud Type Terminal Block - with captive nuts.
CDTTUFTSC	10 sq.mm Spring Loaded Feed Through Terminal Blocks
CSC6T	6 sq.mm Spring Clamp Feed Through Terminal Blocks.
CSC6T1-2	6 sq.mm Multiple Connection Feed Through Spring Clamp Terminal Blocks with 3 connection points.
CSCG6T	6 sq.mm Feed Through Ground/Earth Spring Clamp Terminal Blocks
ASF4(L)	4 sq.mm Spring Clamp Fuse Terminal Blocks with LED indication
AS6	6 sq.mm Angular Feed Through Spring Terminal Blocks.
AGT6/3	6 sq.mm Angular Spring Clamp Ground / Earth - Multiple Connection Terminal Blocks with 3 connection points.
CDTTUSH	Disconnect & Test Terminal Block
CDS6U/SC	6 sq.mm Disconnect & Test Terminal Blocks
DDDL4U	4 sq.mm Disconnect & Test Terminal Blocks with disconnecting link.
CSFL4U	4 sq.mm Fuse Terminal Blocks.
DDFL4U	4 sq.mm Double Level Fuse Terminal Blocks.
DDFL4ULR	4 sq.mm Double Level Fuse Terminal Blocks with two equi-potential points on each side.
AUX6	Auxiliary terminal for CTS50/70N & CTS95/120N
CSFL4UL	4 sq.mm Fuse Terminal Blocks with offline LED indication.
CX6	6 sq.mm Spring Clamp Feed Through compact Terminal Blocks.
CXG6/3	6 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CDS6U/FT	6 sq.mm Disconnect & Test Terminal Blocks
CMDB6	6 sq.mm Modular Distribution Blocks.
CTS6U	6 sq.mm Standard Feed Through Terminal Blocks
CTS6USC	6 sq.mm Spring Loaded Feed through Terminal Blocks
DDFL4UCLR	4 sq.mm Double Level Fuse Terminal Blocks with two equi-potential points on each side and offline LED indication.
CDTTUSC	10 sq.mm Disconnect & Test Terminal Blocks

CA509/K9F



Marking Tags

The quick to fix K series Marking Tags facilitate identification of Electrical circuits in a Terminal Block assembly. This in turn makes the maintenance of individual components quicker and hassle free. The tags come with a large surface area providing better visibility. The Marking Tags are available in both printed and blank versions. The printing can be horizontal or vertical in 2 or 3 digits, alphabets or symbols or a combination of these depending on users requirement.

PRODUCT SPECIFICATION

Height	10.3 mm
Length	90 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA509/K9F	Blank Marking Tag	10

SUITABLE FOR

CAFL4UL	4 sq.mm Fuse Terminal Blocks with offline LED indication.
CAFL4UN	Fuse Terminal Blocks
CAFL4U	4 sq.mm Fuse Terminal Blocks

CA509/K10



Marking Tags

The quick to fix K series Marking Tags facilitate identification of Electrical circuits in a Terminal Block assembly. This in turn makes the maintenance of individual components quicker and hassle free. The tags come with a large surface area providing better visibility. The Marking Tags are available in both printed and blank versions. The printing can be horizontal or vertical in 2 or 3 digits, alphabets or symbols or a combination of these depending on users requirement.

PRODUCT SPECIFICATION

Height	10.4 mm
Length	9.5 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA509/K10	Marking Tag Blank suitable for CTS10U / CGT10U / CGT10N / CHV10U / CTS10USC / STH4 / STH4DT / STH4DTSH / CSC10T Terminal Blocks	100

SUITABLE FOR

STH4	4 sq. mm Stud Type Terminal Block - with captive nuts.
CXG10	10 sq.mm Spring Clamp Earthing compact Terminal Blocks
STH4DT	Stud Type Terminal Block
CDB10	Modular Distribution Blocks with 10 sq.mm Output connections and 35 sq.mm Bolt Type Input Connection
STH4DTFT	Stud Type Terminal Block
STH4DTSH	-2146826246
CTS10USC	10 sq.mm Spring Loaded Terminal Blocks
CMDB10	10 sq.mm Modular Distribution Blocks.
CGT10U	10 sq.mm Ground / Earth Terminal Blocks for multi-rail mounting
CSC10T	10 sq.mm Spring Clamp Feed Through Terminal Blocks
CX10	10 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CGT10N	10 sq.mm Ground / Earth Terminal Blocks
CTS10U	10 sq. mm Standard Feed Through Terminal Blocks
CHV10U	10 sq. mm High Voltage Terminal Blocks.
CSCG10T	10 sq. mm Ground/Earth Spring Clamp Terminal Blocks
CXG10/3	10 sq.mm Spring Clamp Feed Through compact Terminal Blocks

CA509/K16



Marking Tags

The quick to fix K series Marking Tags facilitate identification of Electrical circuits in a Terminal Block assembly. This in turn makes the maintenance of individual components quicker and hassle free. The tags come with a large surface area providing better visibility. The Marking Tags are available in both printed and blank versions. The printing can be horizontal or vertical in 2 or 3 digits, alphabets or symbols or a combination of these depending on users requirement.

PRODUCT SPECIFICATION

Height	10.5 mm
Length	15.4 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA509/K16	Marking Tag Blank suitable for CTS35UNA / CGT35U Terminal Blocks	100

SUITABLE FOR

CBB95LS	95 sq.mm Stud Type Power Terminal Blocks
CBB185	185 sq.mm Stud Type Power Terminal Blocks
CTS35UNA	35 sq.mm Feed Through Terminal Blocks with Allen Screws
CTS50/70NA	50/70 sq.mm Feed Through Terminal Blocks with Allen Screws
STH6	35 sq. mm Stud Type Terminal Block - with captive nuts.
CBB150LS	150 sq.mm Stud Type Power Terminal Blocks
CBB185LS	185 sq.mm Stud Type Power Terminal Blocks
CTS35UN	35 sq.mm Feed Through Terminal Blocks with Slotted Screws
CTS95/120N	95/120 sq.mm Feed Through Terminal Blocks with Allen Screws
CBB120	120 sq.mm Stud Type Power Terminal Blocks
CBB120LS	120 sq.mm Stud Type Power Terminal Blocks
CGT35U	35 sq.mm Ground / Earth Terminal Blocks for multi-rail mounting
CTS50/70N	50/70 sq.mm Feed Through Terminal Blocks with Slotted Screws
CBB70	70 sq.mm Stud Type Power Terminal Blocks
CBB95	95 sq.mm Stud Type Power Terminal Blocks
CBB70LS	70 sq.mm Stud Type Power Terminal Blocks
CBB150	150 sq.mm Stud Type Power Terminal Blocks

CA509/K20



Marking Tags

The quick to fix K series Marking Tags facilitate identification of Electrical circuits in a Terminal Block assembly. This in turn makes the maintenance of individual components quicker and hassle free. The tags come with a large surface area providing better visibility. The Marking Tags are available in both printed and blank versions. The printing can be horizontal or vertical in 2 or 3 digits, alphabets or symbols or a combination of these depending on users requirement.

PRODUCT SPECIFICATION

Width (Thickness)	19.9 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA509/K20	Marking Tag Blank	100

LBL/7.62/XX



Marking Tags for all PCB Terminal Blocks of 7.62 mm Pitch from 2 to 24 Poles

Marking Tags / Labels for all PCB Terminal Blocks of 7.62 mm Pitch from 2 to 24 Pole .

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
LBL/7.62/XX	Marking Tags for PCB Terminal Blocks of 7.62 mm Pitch from 2 to 24 Poles	50

NOTES

XX represents number of Poles .

SUITABLE FOR

MV47X Single Level 7.62 mm Pitch Vertical PCB Terminal Block.

LBL/10.16/XX



Marking Tags for all PCB Terminal Blocks of 10.16 mm Pitch from 2 to 24 Poles

Marking Tags / Labels for all PCB Terminal Blocks of 10.16 mm Pitch from 2 to 24 Pole .

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
LBL/10.16/XX	Marking Tags for PCB Terminal Blocks of 10.16 mm Pitch from 2 to 24 Poles	50

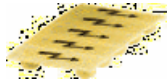
NOTES

XX represents number of Poles .

SUITABLE FOR

MV10	Single Level 10.16 mm Pitch Vertical PCB Terminal Blocks.
TL800	Single Level 10.16 mm Pitch PCB Terminal Blocks with Rising Clamp.

SWL6



Warning Labels

Warning Label that can be mounted on top of the terminal block for giving visual identification, it also makes an entire DIN rail terminal block assembly completely shock proof.

PRODUCT SPECIFICATION

Height	27 mm
Width (Thickness)	39.5 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
SWL6	Warning label suitable for 8mm wide terminal block	50

SUITABLE FOR

CDB6	Modular Distribution Blocks with 6 sq.mm Output connections and 25 sq.mm Bolt Type Input Connection
CMDB6	6 sq.mm Modular Distribution Blocks.
CTS6U	6 sq.mm Standard Feed Through Terminal Blocks

GMH4



Group Marker Holder

Shorting Links are used to create custom shorting assemblies for increased number of poles. The current bar with the required number of poles can be selected, or can be cut in the field to the required length.

PRODUCT SPECIFICATION

Height	16 mm
Width (Thickness)	8 mm
Length	14.5 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
GMH4	Group Marker suitable for mounting on CA802	100

GMH8



Group Marker Holder

Two variants of Group Marker Holders are available for identification of Terminal Block assemblies. GMH1, GMH2, GMH3, GMH4, GMH5 and GMH8 are to be mounted in the grooves of End Clamps. CA509/G1 marking tag can be used with these marker holders or can be directly mounted on the end clamp. GMH7 can be mounted directly on Din Rails. A sticker paper needs to be inserted in the slot which is covered by a transparent plastic sheet.

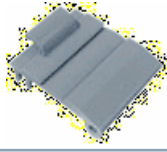
PRODUCT SPECIFICATION

Height	44.67 mm
Width (Thickness)	10 mm
Length	31 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
GMH8	Group Marker suitable for mounting on CA103	100

MHPTB35/50



Marker Holder

Marker Holder Suitable for Power Terminal Block

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
MHPTB35/50	Marker Holder Suitable for PTB35/50	10

SUITABLE FOR

PTB35/50 50 sq.mm Stud Type Power Terminal Blocks

CA707/TS/01



Test Socket

Test Socket is used for measuring electrical parameters like current & voltage in Terminal Blocks.

PRODUCT SPECIFICATION

Height	11 mm
Material	Brass
Torque	0.4 Nm

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA707/TS/01	Test Socket Suitable for CTS2.5UN / CTS2.5UE / CTS4UN / CTC4U / CMB4 / CTLG2.5 / CTL2.5U / CTL2.5UH / ODL4U / ODL4UA / CDLG2.5 / CMC1-2 / CMC2-2 Terminal Blocks.	100

SUITABLE FOR

ODL4UA	Stackable 4 sq.mm Offset Double Level Terminal Blocks.
CDLG2.5	Two Level + Ground Feed through Terminal block
CM4USC	4 sq.mm Spring Loaded Feed Through Terminal Blocks
CTL2.5U(I.S)	2.5 sq.mm Three Level internally shorted Terminal Blocks
CTL2.5UL	2.5 sq.mm Three Level Feed through Terminal Block with LED
CTS2.5UE	2.5 sq.mm, 6 mm thick Feed Through Terminal Block
CDLG4(I.S)	4 sq.mm Multiple Connection Earthing Terminal Blocks with 4 connection points.
CMB4	4 sq. mm Panel Mount Terminal Blocks.
CTL2.5UH	2.5 sq.mm Three Level Terminal Blocks suitable for sensor & actuator application
CTL2.5UH(I.S)D2	2.5 sq.mm Three Level Terminal Blocks with Diode suitable for sensor & actuator application
CTLG2.5	Three Level + Ground Feed through Terminal block
CMC1-2	4 sq.mm Multiple Connection Terminal Blocks with 3 connection points.
CTS4UN	4 sq.mm Standard Feed Through Terminal Blocks
CTC4U	Tab Connection Terminal Blocks suitable for 4 sq.mm wire
CDL4UN(I.S)	4 sq.mm Double Level Internally Shorted Terminal Blocks.
CMC2-2	4 sq.mm Multiple Connection Terminal Blocks with 4 connection points.
ODL4U	4 sq.mm Offset Double Level Terminal Blocks.
CTS2.5UN	2.5 sq.mm, 5 mm thick Feed Through Terminal Block
CTL2.5U	2.5 sq.mm Three Level Feed through Terminal Blocks
CTL2.5UHL	2.5 sq.mm Three Level Terminal Blocks with LED suitable for sensor & actuator application
CDLG4	4 sq.mm Double Level Earthing Terminal Blocks.

CA707/TS/03



Test Socket

Test Socket is used for measuring electrical parameters like current & voltage in Terminal Blocks.

PRODUCT SPECIFICATION

Height	11 mm
Material	Brass
Torque	0.4 Nm

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA707/TS/03	Test Socket Suitable for CMT4 / CDL4U / CDL4U(I.S)Terminal Blocks	100

SUITABLE FOR

CDL4U	4 sq.mm Double Level Terminal Blocks.
CDL4U(I.S)	4 sq.mm Double Level Internally Shorted Terminal Blocks.
CMT4	4 sq.mm Micro Terminal Blocks.

CA707/TS/04



Test Socket

Test Socket is used for measuring electrical parameters like current & voltage in Terminal Blocks.

PRODUCT SPECIFICATION

Height	16 mm
Material	Brass
Torque	0.4 Nm

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA707/TS/04	Test Socket Suitable for CTS2.5(M), CTS2.5	1

SUITABLE FOR

CTS2.5	4 sq.mm Standard Feed Through Terminal Blocks
CTS2.5M	2.5 sq.mm Standard Feed Through Terminal Blocks

TPSLS



Insulated Test Socket

Insulated Test Sockets are used with CDS6U Terminal Blocks for taking reading while meter testing at the time of Meter Testing and comparison measurement in CT Circuits

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
TPSLS	Insulated Test Socket for CDS6U Terminal Block	100
TPSLSBK	Insulated Test Socket for CDS6U Terminal Block Black	100
TPSLSBU	Insulated Test Socket for CDS6U Terminal Block Blue	100
TPSLSR	Insulated Test Socket for CDS6U Terminal Block Red	100
TPSLSY	Insulated Test Socket for CDS6U Terminal Block Yellow	100

SUITABLE FOR

CDS6U/SC	6 sq.mm Disconnect & Test Terminal Blocks
CDS6U/FTS	6 sq.mm Disconnect & Test Terminal Blocks
CDS6U	6 sq.mm Disconnect & Test Terminal Blocks

CASP



CASP Spacer

CASP can be used to increase the creepage and clearance distance between the Terminal Blocks and to segregate the different groups of Terminal Blocks.

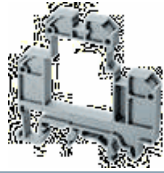
PRODUCT SPECIFICATION

Height	43 mm
Width (Thickness)	8 mm
Length	29 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CASP	Spacer for increase the creepage and clearance distance between the Terminal Blocks	50

CDL4USP



Spacer

CDL4USP Spacer can be stacked with CDL4U(O) Terminal Block to create a housing for discrete components or small electronic circuits.

PRODUCT SPECIFICATION

Height	54 mm
Width (Thickness)	6 mm
Length	55.5 mm
Material	Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CDL4USP	Spacer for Double Level Terminal Block	10

SUITABLE FOR

CDL4UELD4	4 sq.mm Double Level Terminal Blocks with LED indication - LD4 Configuration
CDL4UELD1-24V	4 sq.mm Double Level Terminal Blocks with LED indication -LD1 Configuration
CDL4UEDD4	4 sq.mm Terminal Blocks with diode circuit - DD4 configuration
CDL4UEDD1	4 sq.mm Terminal Blocks with diode circuit - DD1 configuration
CDL4U(E)3LA	4 sq.mm Surge Suppression Terminal Blocks
CDL4UELD5	4 sq.mm Double Level Terminal Blocks with LED indication - LD5 Configuration
CDL4UEN1	4 sq.mm Terminal Blocks with Neon Lamp indicator.
CDL4U(E)RC	4 sq.mm Terminal Blocks with inbuilt RC circuit.
CDL4UEMOV	4 sq.mm Surge Suppression Terminal Blocks with MOV
CDL4UEDD2	4 sq.mm Terminal Blocks with diode circuit - DD2 configuration
CDL4UED2	4 sq.mm Terminal Blocks with diode circuit - D2 configuration
CDL4UED4	4 sq.mm Terminal Blocks with diode circuit - D4 configuration
CDL4UEL1	4 sq.mm Double Level Terminal Blocks with LED indication - L1 Configuration
CDL4U(O)	4 sq.mm Double Level Terminal Blocks with open type current bars to house electronic components.
CDL4UELA	4 sq.mm Surge Suppression Terminal Blocks with Lightning Arrestor.
CDL4UEDD3	4 sq.mm Terminal Blocks with diode circuit - DD3 configuration
CDL4UED3	4 sq.mm Terminal Blocks with diode circuit - D3 configuration
CDL4UELD3	CDL4U(E)LD3 : 4 sq.mm Double Level Terminal Blocks with LED indication - LD3 Configuration
CDL4UESD	4 sq.mm Surge Suppression Terminal Blocks - with surge suppression diode.
CDL4UELD2	4 sq.mm Double Level Terminal Blocks with LED indication - LD2 Configuration
CDL4UED1	4 sq.mm Terminal Blocks with diode circuit - D1 configuration
CDL4UEDD5	4 sq.mm Terminal Blocks with diode circuit - DD5 configuration
CDL4UEL2	4 sq.mm Double Level Terminal Blocks with LED indication - L2 Configuration

EPCPT5G



Spacer

CPTES can be used to increase the creepage and clearance distance between the Terminal Blocks and to segregate the different groups of Terminal Blocks.

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
EPCPT5G	Spacer for increase the creepage and clearance distance between the Terminal Blocks	50

SUITABLE FOR

CPT5	Single Level 5.0 mm Pitch PCB Terminal Blocks.
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CSTSPC1-2



Protective Covers

For protection against dust and shock, transparent protective covers can be installed above the Terminal Block assembly. The protective cover is held in place with the help of a fixing nut on the support plate CSP1. Support Plate CSP1 can be mounted on all DIN rails. It is advised to use standard end clamps / stops to hold the CSP1 in place.

PRODUCT SPECIFICATION

Material Acrylic

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CSTSPC1-2	Protective cover is available in 100 mm Length	10
CSTSPC1-3	Protective cover is available in 200 mm Length	10
CSTSPC1-4	Protective cover is available in 300 mm Length	10

SUITABLE FOR

CSTSN4U	Nut driver operated M4 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
CSTSN4	M4 sized Stud Type Terminal Blocks, suitable for operation with nut driver.
CSTSN5	M5 sized Stud Type Terminal Blocks, suitable for operation with nut driver.
CSTSB5U	Screwdriver operated M5 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
CSTSN415P	M4 sized Stud Type Terminal Blocks, suitable for operation with nut driver - in 15 mm thickness.
CSTSN515P	M5 sized Stud Type Terminal Blocks, suitable for operation with nut driver - in 15 mm thickness.
CBS3U	M3 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CSTSN5U	Nut driver operated M5 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
CSTSB3	M3 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CSTSB4	M4 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CSTSN6	M6 sized Stud Type Terminal Blocks, suitable for operation with nut driver.
CSB3/N3U	M3 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.
CSTSB4U	Screwdriver operated M4 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
CSTSB5	M5 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CBS4U	M4 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CSB4/N4U	M4 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.
CSB3/N3UL	M3 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.

CSTSPC1-5



For protection against dust and shock, transparent protective covers can be installed above the Terminal Block assembly. The protective cover is held in place with the help of a fixing nut on the support plate CSP1. Support Plate CSP1 can be mounted on all DIN rails. It is advised to use standard end clamps / stops to hold the CSP1 in place

PRODUCT SPECIFICATION

Material Acrylic

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CSTSPC1-5	Protective cover is available in 100 mm Length	10
CSTSPC1-6	Protective cover is available in 200 mm Length	10
CSTSPC1-7	Protective cover is available in 300 mm Length	10

SUITABLE FOR

CSTSB4/N4 M4 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.

CSTSPC2



Protective Covers

For protection against dust and shock, transparent protective covers can be installed above the Terminal Block assembly. The protective cover is held in place with the help of a fixing nut on the support plate CSP1. Support Plate CSP1 can be mounted on all DIN rails. It is advised to use standard end clamps / stops to hold the CSP1 in place

PRODUCT SPECIFICATION

Material Acrylic

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CSTSPC2	This protective cover is used for covering 2 Terminals	10
CSTSPC2-1	This protective cover is used for covering 3 Terminals	10

SUITABLE FOR

CSTSB4	M4 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CSB3/N3U	M3 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.
CBS3U	M3 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CBS5U	M5 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CSTSB5	M5 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CBS4U	M4 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CSB4/N4U	M4 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.
CSB3/N3UL	M3 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.

FPCMST



Panel Fixing Plate for CMST1 & CMST2 Terminal Block

The CMST terminal strip can also be fixed on the edge of transformer plates / panels with the help of FPCMST fixing plates.

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
FPCMST	Panel Fixing Plate	10

SUITABLE FOR

CMST1	2.5 sq.mm Multipole Strip Terminal Blocks.
CMST2	2.5 sq.mm Multipole Strip Terminal Blocks with direct soldering points.

PSPTB70/95



Protective Cover

Protective Cover suitable for Power terminal Block for protection against his voltage.

PRODUCT SPECIFICATION

Material Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
PSPTB70/95	Protective Cover suitable for PTB70/95	20

SUITABLE FOR

PTB70/95 95 sq.mm Stud Type Power Terminal Blocks

NEB6



Bus Bar
end clamp CA202.

PRODUCT SPECIFICATION

Height	6 mm
Width (Thickness)	6 mm
Rated Current	140 A

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
NEB6	6mm Bus Bar for mounting CENC4 / CENC16 / CENC35 Earth / Neutral Clamps	1

SUITABLE FOR

CENC16	16 sq.mm Neutral / Earth Clamps
CENC35	35 sq.mm Neutral / Earth Clamps
CENC4	4 sq.mm Neutral / Earth Clamps

NEB10



Bus Bar

The bus bar for mounting Earth / Neutral Clamps can be either be panel mounted using plastic supports NES or Din rail mounted sing the end clamp CA202.

PRODUCT SPECIFICATION

Height	3 mm
Width (Thickness)	10 mm
Rated Current	120 A

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
NEB10	10mm Bus Bar for mounting CENC4 / CENC16 / CENC35 Earth / Neutral Clamps	1

SUITABLE FOR

CENC16	16 sq.mm Neutral / Earth Clamps
CENC35	35 sq.mm Neutral / Earth Clamps
CENC4	4 sq.mm Neutral / Earth Clamps

SCS0.5/3AC



Electricians Screw Driver

In order to have secure connections ,not only is it important to use good quality terminal blocks but also correct tools for securing these connections .Connectwell has range of ergonomically designed professional tools for all your wiring needs. The tri molded handles of these screwdrivers allow the users to exert 50% additional torque conventional screwdrivers.

Blade Type - round blade, high-grade chrome- vanadiummolybdenum steel, chrome plated

Tip Type - Kraftip Plus black tip, ISO 2380-1

Handle - Three component handle, Kraftgrip 50000R

EAN - 6

PRODUCT SPECIFICATION

Application for slotted screws

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
SCS0.5/3	Electricians Screwdriver for slotted screws	10

SUITABLE FOR

IMD16/xx	16CH Digital Input Module With optical Isolation
CSCP2.5T	2.5 sq.mm Spring Clamp Panel Mount Terminal Blocks
IMD/S/xx	Standard Individual Diode Module
IMDLT/DC/CA/xx	Common Anode DC Lamp Test Module
IMDLT/DC/S/xx	Individual DC Lamp Test Module
IMF/xx/S	Standard Fuse Module with Single Fuse per Channel
IMERSxx/05D125D2	SSR Module 1NO (SPST) 5VDC IN 125VDC OUT 2Amp
IMRE1SS16/SLC	32 I/O Interface Module for Allen Bradley SLC 500 PLC
IMRE1SS16/CNC	16 I/O CNC Interface Module
IMRE1SS16/CNCSSRxx	16 I/O CNC Interface Module with Solid State Relay
IMSER1/24D48D0.1	Slim SSR Module 24VDC IN 48 VDC OUT 0.1 Amp
IMSR1SS1/230A	Slim Relay Module 1CO 230VAC
IMSR1SS1/05	Slim Relay Module 1CO 5VDC
IMERSFxx/05D125D2	SSR Module 1NO (SPST) 5VDC IN 125VDC OUT 2Amp With Output Fuse Protection
IMERSxx/05D400A3	SSR Module 1NO (SPST) 5VDC IN 400VAC OUT 3Amp
IMDSUBM/xx/L1	DSUB Module with LED Indication
IMDSUBF/xx/S	Standard FEMALE DSUB Module With 1:1 Screw Connections
IMDSUBF/xx/L1	FEMALE DSUB Module with LED Indication
IMRJ45/8/V	RJ45 Module with Vertical RJ45 Connector
IMV/xx/R/50	50V Varistor Module with Common Anode Configuration
IMRE1SS16/24/IDC20	16CH Relay Interface Module for Schneider PLC
CTL2.5UH	2.5 sq.mm Three Level Terminal Blocks suitable for sensor & actuator application
CTL2.5UH(I.S)D2	2.5 sq.mm Three Level Terminal Blocks with Diode suitable for sensor & actuator application
CTLG2.5	Three Level + Ground Feed through Terminal block
PSS10/15/0.67	0.67A,10W Single Phase Din Rail Mountable Switching Power Supplies
PSS15/5/3	3A,15W Single Phase Din Rail Mountable Switching Power Supplies
PSS30/12/2.5	2.5A,30W Single Phase Din Rail Mountable Switching Power Supplies
PSS60/12/5	5A,60W Single Phase Din Rail Mountable Switching Power Supplies
IMTRxx/24N/24N	Transistor Module Sink To Sink Type (+24 VDC Input)
IMRE1SSxx/12/OM	Relay Module 1CO 12VDC (SPDT)
IMRE2SSxx/24/OM	Relay Module 2CO 24VDC (DPDT)
IMRE1SSxx/24/OM	Relay Module 1CO 24VDC (SPDT)
IMRE4SSxx/110A/OM	Relay Module 4CO 110VAC (4PDT)
IMRE1SSxx/230A/OM	Relay Module 1CO 230VAC (SPDT)
IMSR1SS1/48	Slim Relay Module 1CO 48VDC
IMSR1SS1/60	Slim Relay Module 1CO 60VDC
IMRE2SSFxx/110A/OM	Relay Module 2CO 110VAC (DPDT) With Output Fuse Protection
IMREF1SSxx/24/OM	Relay Module 1CO 24VDC (SPDT)With Input Fuse Protection

SUITABLE FOR....

IMREF1SSxx/110A/OM	Relay Module 1CO 110VAC (SPDT) With Input Fuse Protection
IMRE1SSFxx/110A/xx	Relay Module 1CO 110VAC (SPDT) With Output Fuse Fail Indication
IMRE1SSFxx/12/xx	Relay Module 1CO 12VDC (SPDT) With Output Fuse Fail Indication
IMRE2SSFxx/12/xx	Relay Module 2CO 12VDC (DPDT) With Output Fuse Fail Indication
IMRE2SSFxx/230A/xx	Relay Module 2CO 230VAC (DPDT) With Output Fuse Fail Indication
IMRE1SS16/24/DM37	Relay Module 1CO 24VDC (SPDT) With DSUB Input
IMMR2SS1/24	DIN RAIL Mountable 2CO 24VDC Modular Relay Module
IMMR2SS1/24A	DIN RAIL Mountable 2CO 24VAC Modular Relay Module
IMMR4SS1/24A	DIN RAIL Mountable 4CO 24VAC Modular Relay Module
IMIDC/xx/L1/L	IDC/FRC Module with LED Indication.
IMFI/xx/S/xx	Fuse Fail Indication Module with Single Fuse per Channel
IMERSxx/24D400A3	SSR Module 1NO (SPST) 24VDC IN 400VAC OUT 3Amp
IMERSFxx/12D400A3	SSR Module 1NO (SPST) 12VDC IN 400VAC OUT 3Amp With Output Fuse Protection
IMERSFxx/24D125D2	SSR Module 1NO (SPST) 24VDC IN 125VDC OUT 2Amp With Output Fuse Protection
IMOPTRxx/24P/24P	Opto Transistor Module Source To Source Type (+24 VDC Input)
IMRC32/0.22/xx/xx	Rail Mount 32 Channel Resistor-Capacitor(RC) module
IMRE1OS16/24/IDC20	16CH 1NO Relay Interface Module for Schneider PLCtest
IMSER1/24D48D4	Slim SSR Module 24VDC IN 48 VDC OUT 4 Amp
IMMR1SS1/24A	DIN RAIL Mountable 1CO 24VAC Modular Relay Module
IMSR1SS1/24A	Slim Relay Module 1CO 24VAC
IMOPTRFxx/24P/24P	Opto Transistor Module Source To Source Type With Fuse Protection (+24 VDC Input)
IMD/CA/xx	Common Anode Diode Module
IMV/xx/R/275	275V Varistor Module with Common Anode Configuration
IMV/xx/S/50	50V Varistor Module with Single Varistor per Channel
IMMR1SS1/110A	DIN RAIL Mountable 1CO 110VAC Modular Relay Module
CTL2.5U(I.S)	2.5 sq.mm Three Level internally shorted Terminal Blocks
CTL2.5UL	2.5 sq.mm Three Level Feed through Terminal Block with LED
PSS5/5/1	1A,Single Phase Din Rail Mountable Switching Power Supplies
PSS10/12/0.84	0.84A,10W Single Phase Din Rail Mountable Switching Power Supplies
PSS18/12/1.5	1.5A,18W Single Phase Din Rail Mountable Switching Power Supplies
PSS30/24/1.25	1.25A,30W Single Phase Din Rail Mountable Switching Power Supplies
PSS50/5/10	10A,50W Single Phase Din Rail Mountable Switching Power Supplies
PSS60/48/1.25	1.25A,60W Single Phase Din Rail Mountable Switching Power Supplies
IMRE2SSxx/12/OM	Relay Module 2CO 12VDC (DPDT)
IMRE2SSxx/110A/OM	Relay Module 2CO 110VAC (DPDT)
IMRE2SSxx/230A/OM	Relay Module 2CO 230VAC (DPDT)
IMSR1SS1/60A	Slim Relay Module 1CO 60VAC
IMRE1SSFxx/24/OM	Relay Module 1CO 24VDC (SPDT) With Output Fuse Protection
IMREF1SSxx/230A/OM	Relay Module 1CO 230VAC (SPDT) With Input Fuse Protection

SUITABLE FOR.....	
IMREF2SSxx/12/OM	Relay Module 2CO 12VDC (DPDT) With Input Fuse Protection
IMRE1SSFxx/230A/xx	Relay Module 1CO 230VAC (SPDT) With Output Fuse Fail Indication
IMRE2SS16/24/DM37	Relay Module 2CO 24VDC (DPDT) With DSUB Input
IMMR4SS1/24	DIN RAIL Mountable 4CO 24VDC Modular Relay Module
IMSR1SS1/110A	Slim Relay Module 1CO 110VAC
CX10/3	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXG10/3	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXK2.5/4	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CSC2.5T2-2P	2.5 sq.mm Feed Through Spring Clamp Terminal Blocks - For Dual Potential Systems.
ATL2.5	2.5 sq.mm Triple Level Spring Clamp Terminal Blocks
ASF4	4 sq.mm Spring Clamp Fuse Terminal Blocks
CSCDK2.5	2.5 sq.mm Knife Contact Type Disconnect & Test Spring Clamp Terminal Blocks
CSC4T(E)D1	4 sq.mm Spring Clamp Terminal Blocks with Electronic Components
AS2.5	2.5 sq.mm Angular Feed Through Spring Terminal Blocks.
CTT2.5U	2.5 sq.mm Thermocouple Terminal Blocks.
IMIDC/xx/H/L	IDC/FRC Module with Component Mounting Hole
IMIDC/xx/SC/L	Spring Cage IDC/FRC Module With 1:1 Spring Connections
IMERSxx/12D400A3	SSR Module 1NO (SPST) 12VDC IN 400VAC OUT 3Amp
IMERSxx/24D125D2	SSR Module 1NO (SPST) 24VDC IN 125VDC OUT 2Amp
IMERSFxx/05D400A3	SSR Module 1NO (SPST) 5VDC IN 400VAC OUT 3Amp With Output Fuse Protection
IMERSFxx/12D125D2	SSR Module 1NO (SPST) 12VDC IN 125VDC OUT 2Amp With Output Fuse Protection
IMERSFxx/24D400A3	SSR Module 1NO (SPST) 24VDC IN 400VAC OUT 3Amp With Output Fuse Protection
IMTRFxx/24N/24N	Transistor Module Sink To Sink Type With Fuse Protection (-24 VDC Input)
IMRE/DO16/24/DM37	16 CH Digital Output(DO) Relay Interface Module
IMRJ45/8/HS	RJ45 Module with Shielded Horizontal RJ45 Connector
IMSER1/24A48D0.1	Slim SSR Module 24VAC IN 48 VDC OUT 0.1 Amp
IMSER1/24D380A2	Slim SSR Module 24VDC IN 380 VAC OUT 2 Amp
IMDSUBM/xx/H	MALE DSUB Module with Component Mounting Hole
IMCC/xx	Component Carrier Module
IMDLT/AC/xx	AC Lamp Test Module
IMV/xx/S/130	130V Varistor Module with Single Varistor per Channel
IMRE1SSF16/CNC	16 I/O CNC Interface Module with Output Fuse Protection
CDLG2.5	Two Level + Ground Feed through Terminal block
PSS5/12/0.42	0.42A, 5W Single Phase Din Rail Mountable Switching Power Supplies
PSS5/24/0.21	0.21A,5W Single Phase Din Rail Mountable Switching Power Supplies
PSS10/5/2	2A,10W Single Phase Din Rail Mountable Switching Power Supplies
PSS10/24/0.42	0.42A,10W Single Phase Din Rail Mountable Switching Power Supplies
PSS30/5/6	PSS30/5/6,30W Single Phase Din Rail Mountable Switching Power Supplies
PSS30/48/0.63	0.63A,30W Single Phase Din Rail Mountable Switching Power Supplies
PSS60/24/2.5	2.5A,60W Single Phase Din Rail Mountable Switching Power Supplies
IMRE1SSF16/CNC	16 I/O CNC Interface Module with Output Fuse Protection
IMRE2SS8/24/ECO	Economical Relay Module 2CO 8CH 24VDC (DPDT)-(Compact Version)
IMRE4SSxx/24/OM	Relay Module 4CO 24VDC (4PDT)
IMRE2SSXX/230A/RECT	Relay Module 2CO 230VAC (DPDT) Rectifier Version
IMSR1SS1/24	Slim Relay Module 1CO 24VDC
IMSR1SS1/12A	Slim Relay Module 1CO 12VAC
IMRE2SSFxx/12/OM	Relay Module 2CO 12VDC (DPDT) With Output Fuse Protection
IMREF2SSxx/110A/OM	Relay Module 2CO 110VAC (DPDT) With Input Fuse Protection
IMREF2SSxx/24/OM	Relay Module 2CO 24VDC (DPDT) With Input Fuse Protection
IMRE2SSFxx/110A/xx	Relay Module 2CO 110VAC (DPDT) With Output Fuse Fail Indication
IMRE2SSFxx/24/xx	Relay Module 2CO 24VDC (DPDT) With Output Fuse Fail Indication
IMMR2SS1/230A	DIN RAIL Mountable 2CO 230VAC Modular Relay Module
IMMR4SS1/110A	DIN RAIL Mountable 4CO 110VAC Modular Relay Module
CX10	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXF4	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CSC2.5T	2.5 sq.mm Spring Clamp Feed Through Terminal Blocks
CSC2.5T1-2	2.5 sq.mm Multiple Connection Feed Through Spring Clamp Terminal Blocks with 3 connection points.
CB4	Ceramic Terminal Blocks for 4 sq.mm wire.
CTS2.5M	2.5 sq.mm Standard Feed Through Terminal Blocks
IMD/CK/xx	Common Cathode Diode Module
IMDLT/DC/CK/xx	Common Cathode DC Lamp Test Module
IMIDC/xx/S/L	Standard IDC/FRC Module with 1:1 Screw Connections
IMRE/DI16/24/DM37	16 CH Digital Input(DI) Relay Interface Module

SUITABLE FOR.....	
IMRE1SS16/PLC	32 I/O Interface Module for SIEMENS SIMATIC S7-300/ET200MPLC
IMSER1/24A380A2	Slim SSR Module 24VAC IN 380 VAC OUT 2 Amp
IMSER1/24A48D4	Slim SSR Module 24VAC IN 48 VDC OUT 4 Amp
IMERSxx/12D125D2	SSR Module 1NO (SPST) 12VDC IN 125VDC OUT 2Amp
IMDSUBF/xx/H	FEMALE DSUB Module with Component Mounting Hole
IMDSUBM/xx/S	Standard MALE DSUB Module With 1:1 Screw Connections
IMDSUBM/xx/SC	MALE DSUB Module with 1:1 Spring Connections
IMDSUBF/xx/SC	FEMALE DSUB Module with 1:1 Spring Connections
IMV/xx/R/130	130V Varistor Module with Common Anode Configuration
IMV/xx/S/275	275V Varistor Module with Single Varistor per Channel
IMMR1SS1/230A	DIN RAIL Mountable 1CO 230VAC Modular Relay Module
CTS2.5UN	2.5 sq.mm, 5 mm thick Feed Through Terminal Block
CTL2.5U	2.5 sq.mm Three Level Feed through Terminal Blocks
CTL2.5UHL	2.5 sq.mm Three Level Terminal Blocks with LED suitable for sensor & actuator application
PSS5/15/0.34	0.34A,5W Single Phase Din Rail Mountable Switching Power Supplies
PSS18/15/1.2	1.2A,18W Single Phase Din Rail Mountable Switching Power Supplies
PSS18/24/0.75	0.75A,18W Single Phase Din Rail Mountable Switching Power Supplies
IMRE1SS16/CNC	16 I/O CNC Interface Module
IMRE1SS8/24/RED	Redundant Relay Module 1CO 24VDC (SPDT)
IMRE1SSxx/110A/OM	Relay Module 1CO 110VAC (SPDT)
IMRE4SSxx/230A/OM	Relay Module 4CO 230VAC (4PDT)
IMSR1SS1/12	Slim Relay Module 1CO 12VDC
IMSR1SS1/48A	Slim Relay Module 1CO 48VAC
IMRE1SSFxx/110A/OM	Relay Module 1CO 110VAC (SPDT) With Output Fuse Protection
IMRE1SSFxx/230A/OM	Relay Module 1CO 230VAC (SPDT) With Output Fuse Protection
IMRE2SSFxx/230A/OM	Relay Module 2CO 230VAC (DPDT) With Output Fuse Protection
IMRE2SSFxx/24/OM	Relay Module 2CO 24VDC (DPDT) With Output Fuse Protection
IMREF1SSxx/12/OM	Relay Module 1CO 12VDC (SPDT) With Input Fuse Protection
IMREF2SSxx/230A/OM	Relay Module 2CO 230VAC (DPDT) With Input Fuse Protection
IMRE1SSFxx/24/xx	Relay Module 1CO 24VDC (SPDT) With Output Fuse Fail Indication
IMMR4SS1/230A	DIN RAIL Mountable 4CO 230VAC Modular Relay Module
ADL2.5(I,S)	2.5 sq.mm Angular Double Level Spring Clamp Terminal Blocks, Internally Shorted
ADLG2.5	2.5 sq.mm Double Level and Grounding Terminal Blocks
ATL2.5H	2.5 sq.mm Triple Level Half Spring Clamp Terminal Blocks
CSC2.5T/4(E)D3	2.5 sq.mm Spring Clamp Terminal Blocks with diode circuit - D3 Configuration
AGT2.5/4	2.5 sq.mm Angular Spring Clamp Ground / Earth - Multiple Connection Terminal Blocks with 4 connection points.
CX2.5/3	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CX2.5/4	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXDL2.5(E)D1	2.5 sq.mm Terminal Blocks with diode circuit - D1 configuration
AGT2.5/3	2.5 sq.mm Angular Spring Clamp Ground / Earth - Multiple Connection Terminal Blocks with 3 connection points.
CX2.5	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXDL2.5(E)D2	2.5 sq.mm Terminal Blocks with diode circuit - D2 configuration
AS2.5/3	2.5 sq.mm Angular Multiple Connection Spring Terminal Blocks with 3 connection points.
IMRE1SS16/CNCSSRxx	16 I/O CNC Interface Module with Solid State Relay
CXK2.5	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CSC2.5T2-2	2.5 sq.mm Multiple Connection Feed Through Spring Clamp Terminal Blocks with 4 connection points.
ADL2.5(E)D2	2.5 sq.mm Angular Double Level Spring Clamp Terminal Blocks with diode circuit - D2 Configuration
CSCG2.5T	2.5 sq.mm feed Through Ground/Earth Spring Clamp Terminal Blocks
CSCDK2.5/4	2.5 sq.mm Knife Contact Type Disconnect & Test Spring Clamp Terminal Blocks with 4 connection points
AGT2.5	2.5 sq.mm Angular Spring Clamp Ground / Earth Terminal Blocks.
CXG2.5/3	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXDLG2.5	2.5 sq.mm Double Level Earthing Terminal Blocks.
CXDL2.5(E)D3	2.5 sq.mm Terminal Blocks with diode circuit - D3 configuration
CXDL2.5(E)DD2	2.5 sq.mm Terminal Blocks with diode circuit - DD2 configuration
CXDL2.5(E)DD3	2.5 sq.mm Terminal Blocks with diode circuit - DD3 configuration
CXK2.5	2.5 sq.mm Spring Clamp knife disconnecting compact Terminal Blocks
CXDL2.5(E)LD2	2.5 sq.mm Double Level Terminal Blocks with LED indication -LD2 Configuration
CXDL2.5(E)TS1	2.5 sq.mm Double Level Terminal Blocks with Temperature Sensor indication - TS1 Configuration

SUITABLE FOR.....

ADL2.5	2.5 sq.mm Angular Double Level Spring Clamp Terminal Blocks test
ADL2.5(E)D1	2.5 sq.mm Angular Double Level Spring Clamp Terminal Blocks with diode circuit - D1 Configuration
ATLG2.5	2.5 sq.mm Triple Level and Grounding Spring Clamp Terminal Blocks
CX4	4 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXG2.5/4	2.5 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXDL2.5(E)DD1	2.5 sq.mm Terminal Blocks with diode circuit - DD1 configuration
CXDL2.5(E)DD4	2.5 sq.mm Terminal Blocks with diode circuit - DD4 configuration
AS2.5/4	Angular Multiple Connection Spring Terminal Blocks with 4 connection points.
CXK2.5/4	2.5 sq.mm Spring Clamp knife disconnecting compact Terminal Blocks
CXDL2.5(E)LD1	2.5 sq.mm Double Level Terminal Blocks with LED indication -LD1 Configuration
CMS2.5	2.5 sq. mm spring clamp Panel Mount Terminal Blocks.

SCS0.5/3IAC



Electricians Screwdrivers Insulated

In order to have secure connections ,not only is it important to use good quality terminal blocks but also correct tools for securing these connections .Connectwell has range to ergonomically designed professional tools for all your wiring needs. The tri molded handles of these screwdrivers allow the users to exert 50% additional torque conventional screwdrivers.

Blade Type - round blade, high-grade chrome- vanadiummolybdenum steel, chrome plated

Tip Type - Kraftip Plus black tip, ISO 2380-1

Handle - Three component handle, Kraftgrip 50000R

EAN - 3

PRODUCT SPECIFICATION

Application for slotted screws

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
SCS0.5/3I	Insulated Electricians Screwdriver for slotted screws	10

SCS0.6/3.5AC



Electricians Screw Driver

In order to have secure connections ,not only is it important to use good quality terminal blocks but also correct tools for securing these connections .Connectwell has range of ergonomically designed professional tools for all your wiring needs. The tri molded handles of these screwdrivers allow the users to exert 50% additional torque conventional screwdrivers.

Blade Type - round blade, high-grade chrome- vanadiummolybdenum steel, chrome plated

Tip Type - Kraftip Plus black tip, ISO 2380-1

Handle - Three component handle, Kraftgrip 50000R

EAN - 3

PRODUCT SPECIFICATION

Application for slotted screws

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
SCS0.6/3.5	Electricians Screwdriver for slotted screws	10

SUITABLE FOR

CDL4UELD4	4 sq.mm Double Level Terminal Blocks with LED indication - LD4 Configuration
CKT4UD1	Knife Type 4 sq.mm Disconnect & Test Terminal Blocks with diode - D1 Configuration.
CKT4U	4 sq.mm Knife Type Disconnect & Test Terminal Blocks with Socket screws
CDL4UELD1-24V	4 sq.mm Double Level Terminal Blocks with LED indication -LD1 Configuration
CDL4UEDD4	4 sq.mm Terminal Blocks with diode circuit - DD4 configuration
CDL4UEDD1	4 sq.mm Terminal Blocks with diode circuit - DD1 configuration
CDL4U(E)3LA	4 sq.mm Surge Suppression Terminal Blocks
CTS2.5	4 sq.mm Standard Feed Through Terminal Blocks
DDDL4U	4 sq.mm Disconnect & Test Terminal Blocks with disconnecting link.
CAFL4UL	4 sq.mm Fuse Terminal Blocks with offline LED indication.
CSFL4U	4 sq.mm Fuse Terminal Blocks.
CDL4UELD5	4 sq.mm Double Level Terminal Blocks with LED indication - LD5 Configuration
CDL4UEN1	4 sq.mm Terminal Blocks with Neon Lamp indicator.
DDFL4U	4 sq.mm Double Level Fuse Terminal Blocks.
CMB4	4 sq. mm Panel Mount Terminal Blocks.
DDFL4ULR	4 sq.mm Double Level Fuse Terminal Blocks with two equi-potential points on each side.
CSFL4UL	4 sq.mm Fuse Terminal Blocks with offline LED indication.
CTS4SC	4 sq.mm Spring Loaded Feed Through Terminal Blocks
CF4SP	4 sq.mm Single Level Fuse Terminal Blocks with Jumper possibility
CMCG4	4 sq.mm Multiple Connection Earthing Terminal Blocks with 4 connection points.
AGT4/4	4 sq.mm Angular Spring Clamp Ground / Earth - Multiple Connection Terminal Blocks with 4 connection points.
CX4/4	4 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CMC1-2	4 sq.mm Multiple Connection Terminal Blocks with 3 connection points.
CGT4N	4 sq.mm Ground / Earth Terminal Blocks
CDL4U(E)RC	4 sq.mm Terminal Blocks with inbuilt RC circuit.
CDL4UEMOV	4 sq.mm Surge Suppression Terminal Blocks with MOV
CDL4UEDD2	4 sq.mm Terminal Blocks with diode circuit - DD2 configuration
CDL4UED2	4 sq.mm Terminal Blocks with diode circuit - D2 configuration
CSDL4U	4 sq.mm Disconnect & Test Terminal Blocks - With Disconnecting Brass Link.
CTS4UN	4 sq.mm Standard Feed Through Terminal Blocks
CTLG2.5EMOV	2.5 sq.mm Triple Level Surge Suppression Terminal Blocks with additional grounding point.
CDL4UED4	4 sq.mm Terminal Blocks with diode circuit - D4 configuration
CDL4UEL1	4 sq.mm Double Level Terminal Blocks with LED indication - L1 Configuration

SUITABLE FOR....

CDL4U(O)	4 sq.mm Double Level Terminal Blocks with open type current bars to house electronic components.
CDL4UN(I.S)	4 sq.mm Double Level Internally Shorted Terminal Blocks.
DDFL4UE	4 sq.mm Double Level Fuse Terminal Blocks with offline LED indication.
CMC2-2	4 sq.mm Multiple Connection Terminal Blocks with 4 connection points.
ODL4U	4 sq.mm Offset Double Level Terminal Blocks.
CAFL4U	4 sq.mm Fuse Terminal Blocks
CDLG4	4 sq.mm Double Level Earthing Terminal Blocks.
CSC4T2-2	4 sq.mm Multiple Connection Feed through Spring Clamp Terminal Blocks with 4 connection points.
ASF4(L)	4 sq.mm Spring Clamp Fuse Terminal Blocks with LED indication
CXG4/3	4 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXG4/4	4 sq.mm Spring Clamp Feed Through compact Terminal Blocks
AS4/4	4 sq.mm Angular Multiple Connection Spring Terminal Blocks with 4 connection points.
CXK4	4 sq.mm Spring Clamp knife disconnecting compact Terminal Blocks
CXK4/4	4 sq.mm Spring Clamp knife disconnecting compact Terminal Blocks
CKT4U/S	4 sq.mm Knife Type Disconnect & Test Terminal Blocks with Standard screws
CDL4UELA	4 sq.mm Surge Suppression Terminal Blocks with Lightning Arrestor.
CDL4UEDD3	4 sq.mm Terminal Blocks with diode circuit - DD3 configuration
CDL4UED3	4 sq.mm Terminal Blocks with diode circuit - D3 configuration
CDB4(1)	Modular Distribution Blocks with 4 sq.mm Output connections and 16 sq.mm Bolt Type Input Connection
CKT4U/4	4 sq.mm Disconnect & Test Terminal Blocks with Knife Type disconnecting contact and multiple connection points.
CMDB4	4 sq.mm Modular Distribution Blocks.
CDL4UELD3	CDL4U(E)LD3 : 4 sq.mm Double Level Terminal Blocks with LED indication - LD3 Configuration
CHV4U	4 sq.mm High Voltage Terminal Blocks.
CGT4U	4 sq.mm Ground / Earth Terminal Blocks for multi-rail mounting
DDFL4UELR	4 sq.mm Double Level Fuse Terminal Blocks with two equi-potential points on each side and offline LED indication.
CDL4U	4 sq.mm Double Level Terminal Blocks.
CTS2.5UE	2.5 sq.mm, 6 mm thick Feed Through Terminal Block
CDLG4(I.S)	4 sq.mm Multiple Connection Earthing Terminal Blocks with 4 connection points.
CF4SPFT	4 sq.mm Standard Feed Through Terminal Blocks
CSC4T	4 sq.mm Feed Through Spring Clamp Terminal Blocks.
CSC4T1-2	4 sq.mm Multiple connections Feed Through Spring Clamp Terminal Blocks with 3 connection points.
AS4	4 sq.mm Angular Feed Through Spring Terminal Blocks.
AGT4/3	4 sq.mm Angular Spring Clamp Ground / Earth - Multiple Connection Terminal Blocks with 3 connection points.
AS4/3	4 sq.mm Angular Multiple Connection Spring Terminal Blocks with 3 connection points.
CXF4L	4 sq.mm Spring Clamp Fuse compact Terminal Blocks

SUITABLE FOR.....

CXCC4	4 sq.mm Component carrier spring clamp terminal block
CKT4UD2	Knife Type 4 sq.mm Disconnect & Test Terminal Blocks with diode - D2 Configuration.
CDL4UESD	4 sq.mm Surge Suppression Terminal Blocks - with surge suppression diode.
CDL4UELD2	4 sq.mm Double Level Terminal Blocks with LED indication - LD2 Configuration
CDL4UED1	4 sq.mm Terminal Blocks with diode circuit - D1 configuration
CAFL4UN	Fuse Terminal Blocks
CDL4UEDD5	4 sq.mm Terminal Blocks with diode circuit - DD5 configuration
CDL4UEL2	4 sq.mm Double Level Terminal Blocks with LED indication - L2 Configuration
CDL4U(I.S)	4 sq.mm Double Level Internally Shorted Terminal Blocks.
CF4U	4 sq.mm Single Level Fuse Terminal Blocks
CMT4	4 sq.mm Micro Terminal Blocks.
CTS4USC	4 sq.mm Spring Loaded Feed Through Terminal Blocks
ODL4UA	Stackable 4 sq.mm Offset Double Level Terminal Blocks.
CF4UL	4 sq.mm Single Level Fuse Terminal Blocks with LED indication.
CGMT4	Micro - 4 sq.mm Ground/Earth Terminal Blocks.
CDB4	Modular Distribution Blocks with 4 sq.mm Output connections and 16 sq.mm Bolt Type Input Connection
CKT4SP	4 sq.mm Knife Type Disconnect & Test Terminal Blocks with Socket screws and with possibility of using Jumpers
CM4USC	4 sq.mm Spring Loaded Feed Through Terminal Blocks
CSCG4T	4 sq.mm Feed Through Ground/Earth Spring Clamp Terminal Blocks
CSC4T(E)D2	4 sq.mm Spring Clamp Terminal Blocks with Electronic Components
AGT4	4 sq.mm Angular Spring Clamp Ground / Earth Terminal Blocks.
CX4/3	4 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXF4	4 sq.mm Spring Clamp Fuse compact Terminal Blocks
CXG4	4 sq.mm Spring Clamp earthing compact Terminal Blocks

SCS0.6/3.5I



Electricians Screwdrivers Insulated

In order to have secure connections ,not only is it important to use good quality terminal blocks but also correct tools for securing these connections .Connectwell has range to ergonomically designed professional tools for all your wiring needs. The tri molded handles of these screwdrivers allow the users to exert 50% additional torque conventional screwdrivers.

Blade Type - round blade, high-grade chrome- vanadiummolybdenum steel, chrome plated

Tip Type - Kraftip Plus black tip, ISO 2380-1

Handle - Three component handle, Kraftgrip 50000R

EAN - 0

PRODUCT SPECIFICATION

Application for slotted screws

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
SCS0.6/3.5I	Insulated Electricians Screwdriver for slotted screws	10

SUITABLE FOR

CKT4SPSC 4 sq.mm Knife Type Disconnect & Test Terminal Blocks with Socket screws spring loaded.

SCS0.8/4AC



Electricians Screw Driver

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Blade Type - round blade, high-grade chrome- vanadiummolybdenum steel, chrome plated

Tip Type - Kraftip Plus black tip, ISO 2380-1

Handle - Three component handle, Kraftgrip 50000R

EAN - 0

PRODUCT SPECIFICATION

Application for slotted screws

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
SCS0.8/4	Electricians Screwdriver for slotted screws	10

SUITABLE FOR

CB16	Ceramic Terminal Blocks for 10 sq.mm wire.
CENC4	4 sq.mm Neutral / Earth Clamps
CDS6U/SC	6 sq.mm Disconnect & Test Terminal Blocks
CDB10	Modular Distribution Blocks with 10 sq.mm Output connections and 35 sq.mm Bolt Type Input Connection
CXG6/3	6 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CDS6U/TS	6 sq.mm Disconnect & Test Terminal Blocks
CDS6U	6 sq.mm Disconnect & Test Terminal Blocks
CTS10SC	10 sq.mm Spring Loaded Terminal Blocks.
CHV6U	6 sq.mm High Voltage Terminal Blocks.
STH3	6 sq. mm Stud Type Terminal Block - with captive nuts.
CSC6T	6 sq.mm Spring Clamp Feed Through Terminal Blocks.
CSC6T1-2	6 sq.mm Multiple Connection Feed Through Spring Clamp Terminal Blocks with 3 connection points.
CSCG6T	6 sq.mm Feed Through Ground/Earth Spring Clamp Terminal Blocks
AS6	6 sq.mm Angular Feed Through Spring Terminal Blocks.
AGT6/3	6 sq.mm Angular Spring Clamp Ground / Earth - Multiple Connection Terminal Blocks with 3 connection points.
CXG10	10 sq.mm Spring Clamp Earthing compact Terminal Blocks
CTS10USC	10 sq.mm Spring Loaded Terminal Blocks
CB6	Ceramic Terminal Blocks for 6 sq.mm wire.
CGT6N	6 sq.mm Ground / Earth Terminal Blocks
CMDB10	10 sq.mm Modular Distribution Blocks.
CTS10	10 sq.mm Standard Feed Through Terminal Blocks.
CTS16	16 sq.mm Standard Feed Through Terminal Blocks
CTS6SC	6 sq.mm Spring Loaded Feed through Terminal Blocks
CDB6	Modular Distribution Blocks with 6 sq.mm Output connections and 25 sq.mm Bolt Type Input Connection
CGT10U	10 sq.mm Ground / Earth Terminal Blocks for multi-rail mounting
CSC10T	10 sq.mm Spring Clamp Feed Through Terminal Blocks
AGT6	6 sq.mm Angular Spring Clamp Ground / Earth Terminal Blocks.
CX10	10 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CX10/3	10 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CDS6U/FTS	6 sq.mm Disconnect & Test Terminal Blocks
CGT10N	10 sq.mm Ground / Earth Terminal Blocks
CSTSB3	M3 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CDS6U/FT	6 sq.mm Disconnect & Test Terminal Blocks
CMDB6	6 sq.mm Modular Distribution Blocks.
CTS6	6 sq.mm Standard Feed Through Terminal Blocks
CTS6U	6 sq.mm Standard Feed Through Terminal Blocks

SUITABLE FOR....

CTS10U	10 sq. mm Standard Feed Through Terminal Blocks
CTS6USC	6 sq.mm Spring Loaded Feed through Terminal Blocks
CHV10U	10 sq. mm High Voltage Terminal Blocks.
CSCG10T	10 sq. mm Ground/Earth Spring Clamp Terminal Blocks
CX6/3	6 sq.mm Spring Clamp Feed Through compact Terminal Blocks
CXG6	6 sq.mm Ground/Earth Spring Clamp Compact Terminal Blocks
AS6/3	6 sq.mm Angular Multiple Connection Spring Terminal Blocks with 3 connection points.
CXG10/3	10 sq.mm Spring Clamp Feed Through compact Terminal Blocks

SCS0.8/4I



Electricians Screwdrivers Insulated

In order to have secure connections ,not only is it important to use good quality terminal blocks but also correct tools for securing these connections .Connectwell has range to ergonomically designed professional tools for all your wiring needs. The tri molded handles of these screwdrivers allow the users to exert 50% additional torque conventional screwdrivers.

Blade Type - round blade, high-grade chrome- vanadiummolybdenum steel, chrome plated

Tip Type - Kraftip Plus black tip, ISO 2380-1

Handle - Three component handle, Kraftgrip 50000R

EAN - 7

PRODUCT SPECIFICATION

Application for slotted screws

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
SCS0.8/4I	Insulated Electricians Screwdriver for slotted screws	10

SCS1/5.5



Electricians Screw Driver

In order to have secure connections, not only is it important to use good quality terminal blocks but also correct tools for securing these connections. Connectwell has a range of ergonomically designed professional tools for all your wiring needs. The tri-molded handles of these screwdrivers allow the users to exert 50% additional torque conventional screwdrivers.

Blade Type - round blade, high-grade chrome-vanadium-molybdenum steel, chrome plated

Tip Type - Kraftip Plus black tip, ISO 2380-1

Handle - Three component handle, Kraftgrip 50000R

EAN - 7

PRODUCT SPECIFICATION

Application for slotted screws

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
SCS1/5.5	Electricians Screwdriver for slotted screws	10

SUITABLE FOR

STH4DTSH	-2146826246
CGT16N	16 sq.mm Ground / Earth Terminal Blocks
CDB25	Modular Distribution Blocks with 25 sq.mm Output connections and 50 sq.mm Bolt Type Input Connection
CBDT4U	Disconnect and Test Terminal Blocks
CSCG16T	16 sq. mm Ground/Earth Spring Clamp Terminal Blocks
CTS25UN	25 sq.mm Standard Feed Through Terminal Blocks
CENC16	16 sq.mm Neutral / Earth Clamps
CENC35	35 sq.mm Neutral / Earth Clamps
CSTSB4	M4 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CTS35UN	35 sq.mm Feed Through Terminal Blocks with Slotted Screws
CSB3/N3U	M3 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.
CDTTUSC	10 sq.mm Disconnect & Test Terminal Blocks
CDTTUFT	10 sq. mm Feed Through Terminal Blocks
CSB5/N5U	M5 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.
CSTSB4U	Screwdriver operated M4 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
STH4	4 sq. mm Stud Type Terminal Block - with captive nuts.
CMDT4SH	Disconnect and Test Terminal Blocks
CSTSB5	M5 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CTS16U	16 sq.mm Standard Feed Through Terminal Blocks
CDTTU	6 sq.mm Disconnect & Test Terminal Blocks with Universal Mounting Possibility.
CGT35U	35 sq.mm Ground / Earth Terminal Blocks for multi-rail mounting
CBS4U	M4 sized Stud Type Terminal Blocks, suitable for operation with screwdriver.
CTS25UN	25 sq.mm Standard Feed Through Terminal Blocks
CSTSB5U	Screwdriver operated M5 sized Stud Type Terminal Blocks, with Universal Mounting Possibility.
STH4DT	Stud Type Terminal Block
CDTTS-SH	Disconnect and Test Terminal Blocks
CDTTUSH	Disconnect & Test Terminal Block
CMDB25	25 sq.mm Modular Distribution Blocks.
CSTSB4/N4	M4 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.
CTS35	35 sq.mm Standard Feed Through Terminal Blocks
CTS35UNA	35 sq.mm Feed Through Terminal Blocks with Allen Screws
CTS25UN	25 sq.mm Standard Feed Through Terminal Blocks
STH4DTFT	Stud Type Terminal Block
STH6	35 sq. mm Stud Type Terminal Block - with captive nuts.
CSC16T	16 sq.mm Spring Clamp Feed Through Terminal Blocks

SCS1/5.5I



Electricians Screwdrivers Insulated

In order to have secure connections, not only is it important to use good quality terminal blocks but also correct tools for securing these connections. Connectwell has a range of ergonomically designed professional tools for all your wiring needs. The tri-molded handles of these screwdrivers allow the users to exert 50% additional torque conventional screwdrivers.

Blade Type - round blade, high-grade chrome-vanadium-molybdenum steel, chrome plated

Tip Type - Kraftip Plus black tip, ISO 2380-1

Handle - Three component handle, Kraftgrip 50000R

EAN - 4

PRODUCT SPECIFICATION

Application for slotted screws

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
SCS1/5.5I	Insulated Electricians Screwdriver for slotted screws	10

SUITABLE FOR

CSB4/N4U	M4 sized Stud Type Terminal Blocks, suitable for operation with screwdriver and nut driver.
CDTTUFTSC	10 sq.mm Spring Loaded Feed Through Terminal Blocks

CSP1



Support Plate

Support Plate CSP1 can be mounted on all DIN rails. It is advised to use standard end clamps / stops to hold the CSP1 in place. The protective cover is held in place with the help of a fixing nut on the support plate CSP1.

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CSP1	Support Plate for Protective Covers	50

SUITABLE FOR

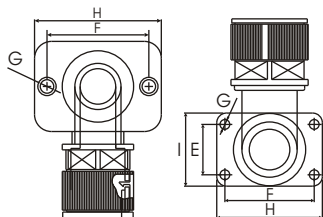
CSTSRN6	M6 sized Stud Type Terminal Blocks, suitable for operation with nut driver.
CSTSRN5	M5 sized Stud Type Terminal Blocks, suitable for operation with nut driver.

90° ELBOW FLANGE CONNECTORS



These connectors are used to clamp flexible corrugated conduits. They offer IP67 protection. These connectors are available with mounting holes for fixing on the panel or equipment surface. The 90° configuration enables perpendicular conduit entry into the panel or equipment.

Technical Details :	
Material	Polyamide 6
Colour	RAL 7001 (Grey) RAL 9005 (Black)
Temperature Range	-40° C to +105° C Continuous, +150° C Short Term
Protection Class	IP 67



For TWOC-12/16 For TWOC-22/28/36/48

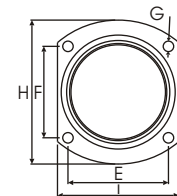
Suitable for Conduit Size	Cat. No. Grey	Cat. No. Black	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	Standard Pack (pieces)
12	TWOC-12G	TWOC-12B	-	36.5	5.5	45	32	50
16	TWOC-16G	TWOC-16B	-	36.5	5.5	45	32	30
22	TWOC-22G	TWOC-22B	30.5	53.5	5.5	66.5	45	20
28	TWOC-28G	TWOC-28B	30.5	53.5	6	66.5	45	10
36	TWOC-36G	TWOC-36B	30.5	72.5	7	85.5	64	10
48	TWOC-48G	TWOC-48B	30.5	72.5	7	85.5	78	10

90° ELBOW FLANGE CONNECTORS



These connectors are used to clamp flexible corrugated conduits. They offer IP67 protection. These connectors are available with mounting holes for fixing on the panel or equipment surface. The 90° configuration enables perpendicular conduit entry into the panel or equipment.

Technical Details :	
Material	Polyamide 6
Colour	RAL 7001 (Grey) RAL 9005 (Black)
Temperature Range	-40° C to +105° C Continuous, +150° C Short Term
Protection Class	IP 67



For TWOC-56/70/95

Suitable for Conduit Size	Cat. No. Grey	Cat. No. Black	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	Standard Pack (pieces)
56	TWOC-56G	TWOC-56B	67	61	7	97	81	10
70	TWOC-70G	TWOC-70B	84	78	7	113	98	10
95	TWOC-95G	TWOC-95B	108	94	8	146	125	10

PSB1/7.5/5/1.5



1.5A ,Single Phase Din Rail Mountable Step Type Switching Power Supplytest

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 80%
- Compact design with a width of only 18mm
- Two years product warrantytest

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	2000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air ConvectionFree Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W18 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	970000 hr
Pollution Degree	22
Relative Humidity Range	20-95 % RH
Switching Frequency (typ.)	90 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	5 VDC
Output Current	1.51.5 A
Output Wattage	7.57.5 W
Input Voltage Range	9090 - 264 VAC
Efficiency (min.)	72%
Efficiency (typ.)	74%
Standard Packing Qty	11
Cat. No.	PSB1/7.5/5/1.5

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 18 x 56.5 mm
Packing	0.11kg ; 120 pcs / 14.5kg / 2.28 CUFT
Weight	6565 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20IP20
Input fuse	T1A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	VaristorVaristor
Output short circuit	Fold forwardFold forward
Over voltage protection	5.75- 6.5 5.75- 6.5 VDC
Rated over load protection	110110-165 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	SingleSingle
Inrush Current (Vi: 115 VAC)	15 A
Inrush Current (Vi: 230 VAC)	30 A
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Power Dissipation (Vi: 230 VAC, Io norm)	2.3 W
Rated Input Current -Max. (Vi : 115 VAC)	300 mA
Rated Input Current -Typ. (Vi : 115 VAC)	200 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	3.5 to 4.5 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	3.5 to 4.5 VDC
Efficiency	8080%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	10 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	1.5 A
Output Voltage	55 VDC
Output Voltage Accuracy (Adjusted before shipment)	+/- 1 %

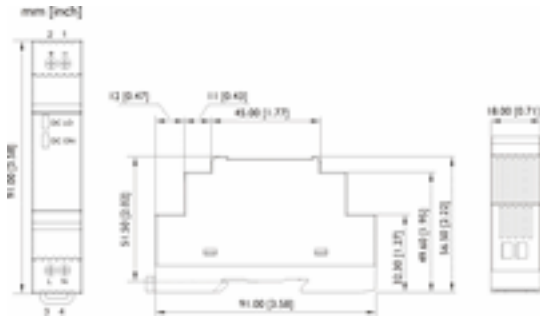
OUTPUT SPECIFICATIONS....

Power Back Immunity	7.5 VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
1	OUT	-	Negative output terminal
2	OUT	+	Positive output terminal
3	OUT	L	Input terminals (phase conductor, no polarity at DC input)
4	OUT	N	Input terminals (neutral conductor, no polarity at DC input)

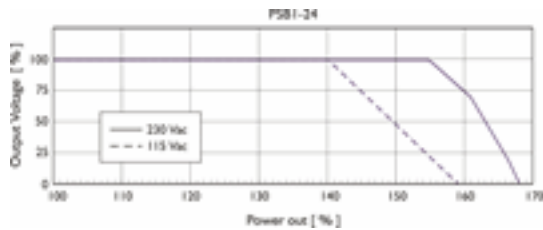
DIMENTISONAL DIAGRAM



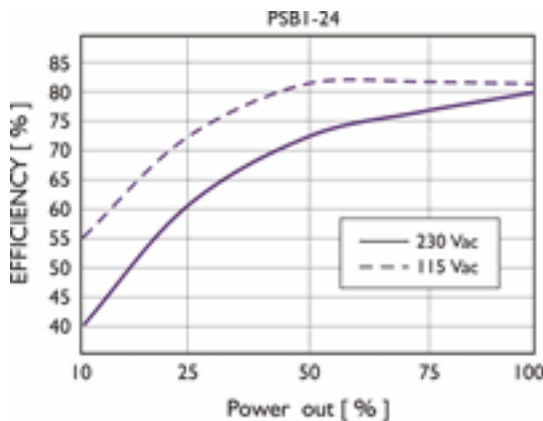
CIRCUIT SCHEMATIC



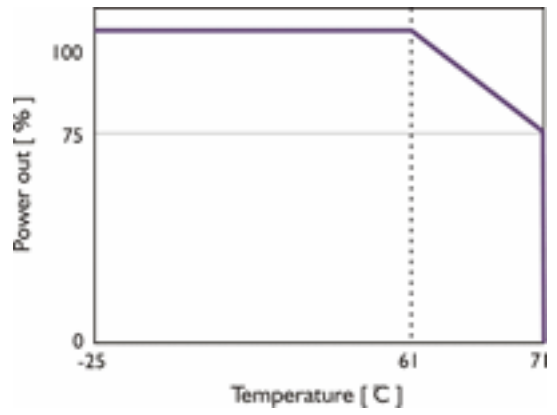
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



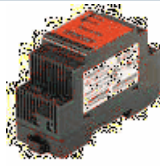
INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm²) flexible / solid cable,- Connector can withstand torqueat maximum 5 pound-inches.4-5 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PSB2/15/5/3



3A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 85%
- Compact design with a width of only 35mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	3000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W35 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	850000 hr
Pollution Degree	2
Relative Humidity Range	20 -95 % RH
Switching Frequency (typ.)	65 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	5 VDC
Output Current	3 A
Output Wattage	15 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	80%
Efficiency (typ.)	82%
Standard Packing Qty	1
Cat. No.	PSB2/15/5/3

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 35 x 56.5 mm
Packing	0.17kg ; 80 pcs / 15 kg / 1.82 CUFT
Weight	130 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	5.75 - 6.5 VDC
Rated over load protection	120-160%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	3.5 W
Rated Input Current -Max. (Vi : 115 VAC)	400 mA
Rated Input Current -Typ. (Vi : 115 VAC)	200 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	3.5-4.5 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	3.5-4.5 VDC
Efficiency	85%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	80 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	3 A
Output Voltage	5 VDC
Output Voltage Accuracy (Adjusted before shipment)	+/- 1 %

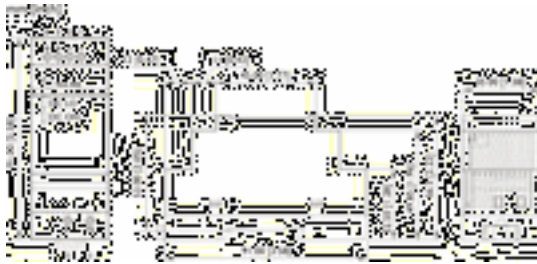
OUTPUT SPECIFICATIONS....

Output Voltage Trim Range	5 - 5.5 VDC
Power Back Immunity	7.5 VDC
Rated Continuous Loading	3A @ 5VDC / 2.7A @ 5.5VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

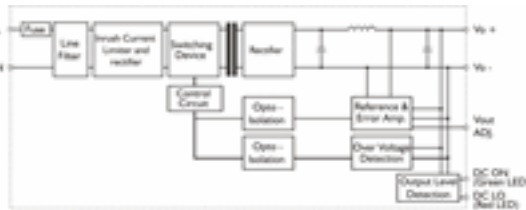
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

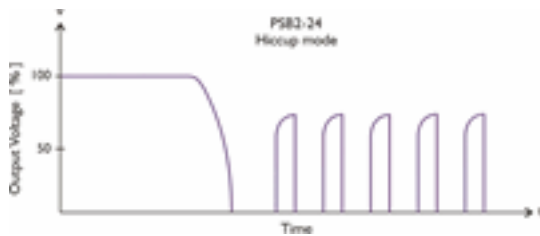
DIMENTIONAL DIAGRAM



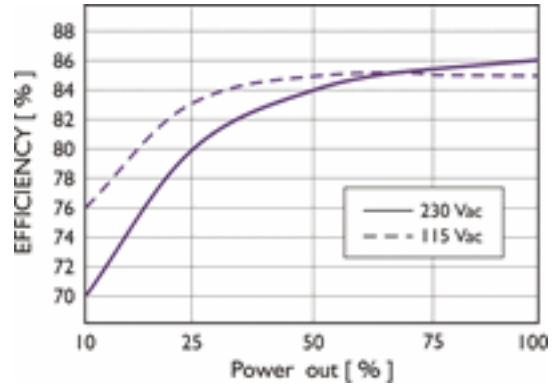
CIRCUIT SCHEMATIC



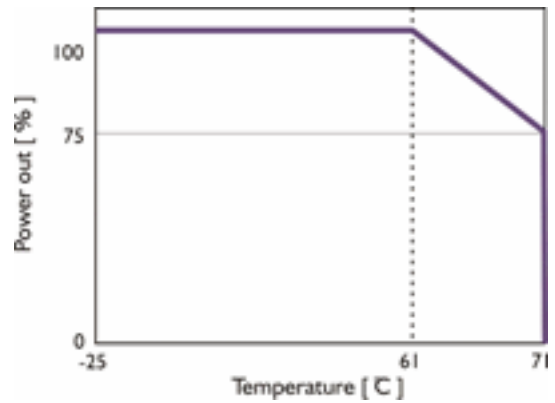
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm²) flexible / solid cable,- Connector can withstand torque at maximum 5 pound-inches. 4-5 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

PSB3/22.5/5/4.5



4.5A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 84%
- Compact design with a width of only 53mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	3000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W53 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	689000 hr
Pollution Degree	2
Relative Humidity Range	20-95 % RH
Switching Frequency (typ.)	65 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	5 VDC
Output Current	4.5 A
Output Wattage	22.5 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	72%
Efficiency (typ.)	75%
Standard Packing Qty	1
Cat. No.	PSB3/22.5/5/4.5

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 53 x 56.5 mm
Packing	0.25kg ; 64 pcs / 17kg / 2.28 CUFT
Weight	190 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	5.75 - 6.5 VDC
Rated over load protection	110-150%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	25 A
Max. Inrush Current (Vi: 230 VAC)	50 A
Power Dissipation (Vi: 230 VAC, Io norm)	7.5 W
Rated Input Current -Max. (Vi : 115 VAC)	600 mA
Rated Input Current -Typ. (Vi : 115 VAC)	480 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	3.5-4.5 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	3.5-4.5 VDC
Efficiency	84%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	100 msec
Line Regulation	+/-1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	4.5 A
Output Voltage	5 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	5 - 5.5 VDC

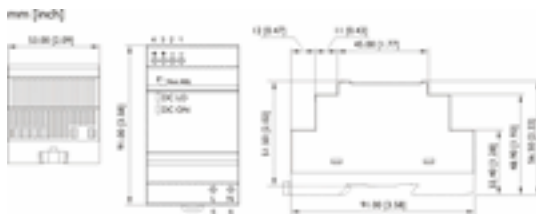
OUTPUT SPECIFICATIONS....

Power Back Immunity	7.5 VDC
Rated Continuous Loading	4.5A @ 5VDC / 4A @ 5.5VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

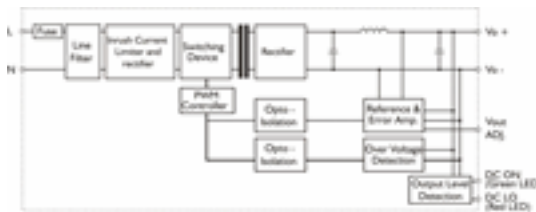
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

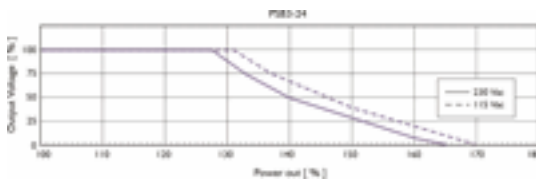
DIMENTISONAL DIAGRAM



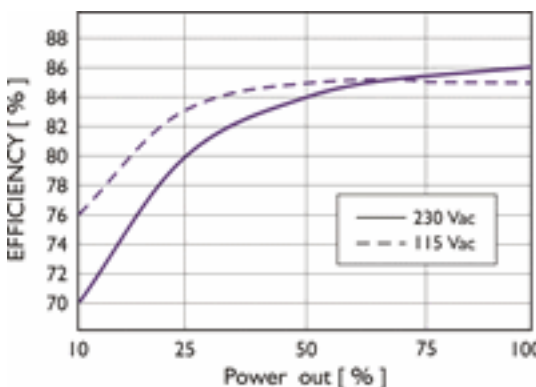
CIRCUIT SCHEMATIC



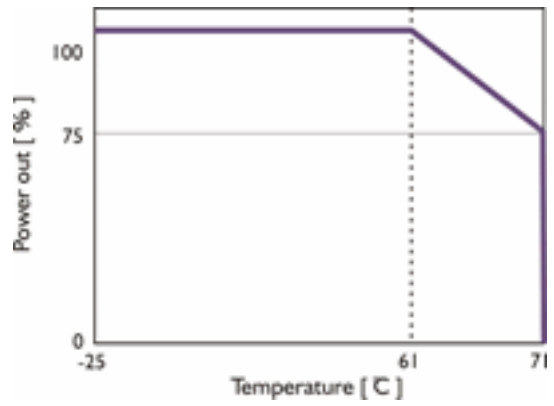
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

AWG24-12 (0.2-2mm²) flexible / solid cable, 7 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 70 C - Connector can withstand torque at maximum 6 pound-inches.

INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended Connector size range

PSB4/35/5/7



7A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 86%
- Compact design with a width of only 71mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	2000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W71 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	595000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	5 VDC
Output Current	7 A
Output Wattage	35 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	78%
Efficiency (typ.)	80%
Standard Packing Qty	1
Cat. No.	PSB4/35/5/7

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 71 x 56.5 mm
Packing	0.31 kg ; 48 pcs / 16kg / 2.28 CUFT
Weight	250 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	5.75 - 6.5VDC
Rated over load protection	110-150%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
Power Dissipation (Vi: 230 VAC, Io norm)	8.8 W
Rated Input Current -Max. (Vi : 115 VAC)	1 mA
Rated Input Current -Typ. (Vi : 115 VAC)	0.7 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	3.5-4.5 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	3.5-4.5 VDC
Efficiency	86%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	16 msec
Hold Up Time (Vi: 230VAC)	60 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	7 A
Output Voltage	5 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	5 - 5.5 VDC

OUTPUT SPECIFICATIONS....

Power Back Immunity	7.5 VDC
Rated Continuous Loading	7A @ 5VDC / 6.3A @ 5.5VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

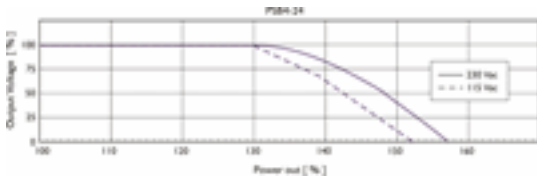
DIMENTIONAL DIAGRAM



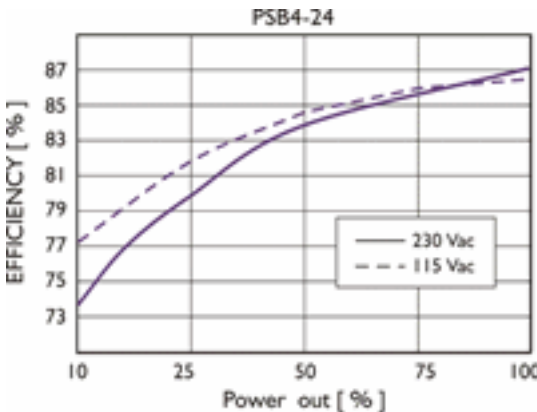
CIRCUIT SCHEMATIC



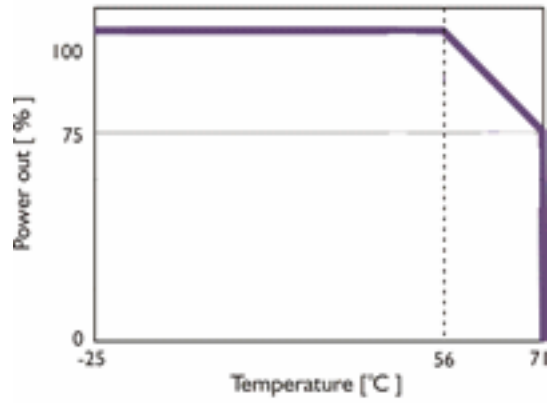
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended Connector size range

CONNECTION DETAILS

AWG24-12 (0.2-2mm²) flexible / solid cable, 7 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 70 C - Connector can withstand torque at maximum 6 pound-inches.

PSB5/60/5/12



12A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 89%
- Compact design with a width of only 90mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	2000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W90x D57 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	566000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	5 VDC
Output Current	12 A
Output Wattage	60 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	78%
Efficiency (typ.)	80%
Standard Packing Qty	1
Cat. No.	PSB5/60/5/12

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 90 x 57 mm
Packing	0.44 kg ; 40 pcs / 19kg / 2.28 CUFT
Weight	380 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	5.75 - 6.5 VDC
Rated over load protection	110-150%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
Power Dissipation (Vi: 230 VAC, Io norm)	15.6 W
Rated Input Current -Max. (Vi : 115 VAC)	1.5 mA
Rated Input Current -Typ. (Vi : 115 VAC)	1.15 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	3.5-4.5 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	3.5-4.5 VDC
Efficiency	89%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	16 msec
Hold Up Time (Vi: 230VAC)	60 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	12 A
Output Voltage	5 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	5 - 5.5 VDC
Power Back Immunity	7.5 VDC

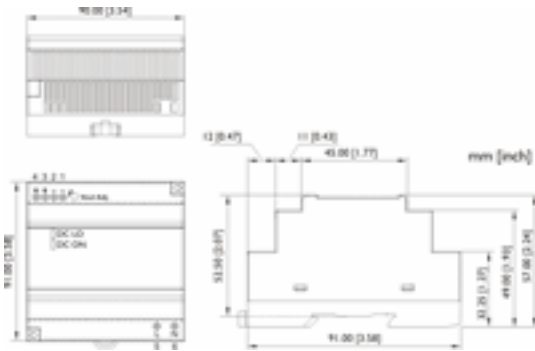
OUTPUT SPECIFICATIONS....

Rated Continuous Loading	12A @ 5VDC / 10.5A @ 5.5VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

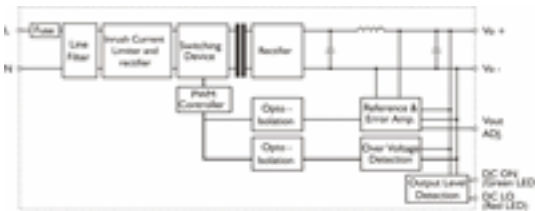
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

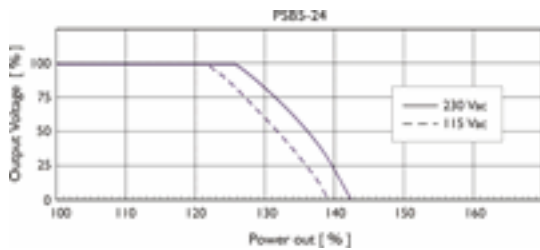
DIMENTSONAL DIAGRAM



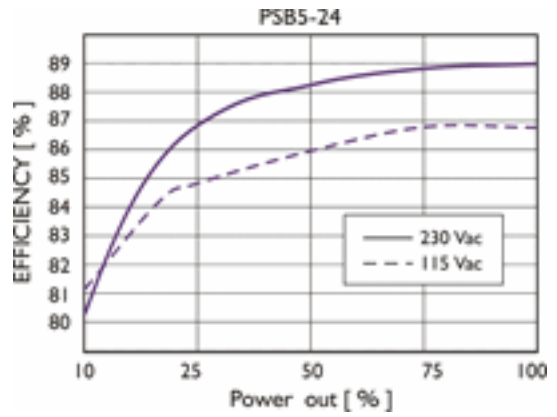
CIRCUIT SCHEMATIC



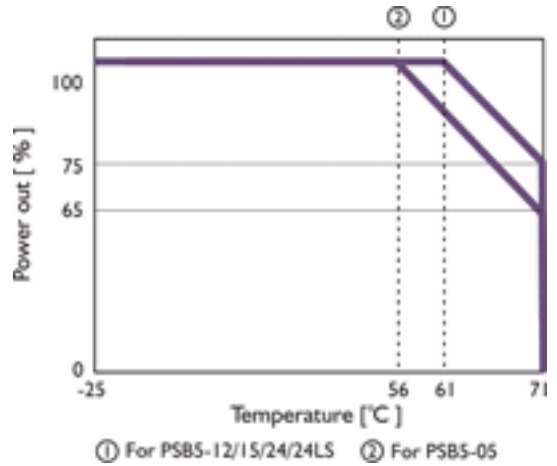
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

AWG24-12 (0.2-2mm²) flexible / solid cable, 7 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 70 C - Connector can withstand torque at maximum 6 pound-inches.

INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended Connector size range

PSB1/10/12/0.83



0.83A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 80%
- Compact design with a width of only 18mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	2000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W18 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	884000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	90 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	0.83 A
Output Wattage	10 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	76%
Efficiency (typ.)	78%
Standard Packing Qty	1
Cat. No.	PSB1/10/12/0.83

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 18 x 56.5 mm
Packing	0.11kg ; 120 pcs / 14.5kg / 2.28 CUFT
Weight	65 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T1A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	15 - 16.5 VDC
Rated over load protection	110-165 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	15 A
Max. Inrush Current (Vi: 230 VAC)	30 A
Power Dissipation (Vi: 230 VAC, Io norm)	2.3 W
Rated Input Current -Max. (Vi : 115 VAC)	300 mA
Rated Input Current -Typ. (Vi : 115 VAC)	200 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	9-10.8 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	9-10.8 VDC
Efficiency	80%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	10 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	0.83 A
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	+/- 1 %

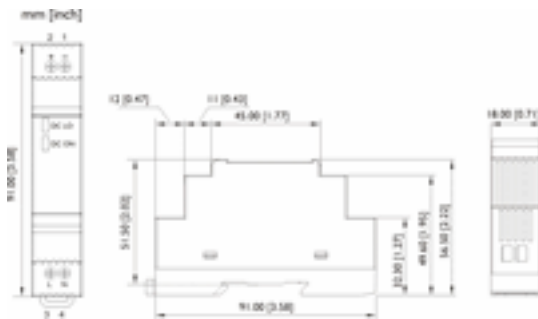
OUTPUT SPECIFICATIONS....

Power Back Immunity	18 VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
1	OUT	-	Negative output terminal
2	OUT	+	Positive output terminal
3	OUT	L	Input terminals (phase conductor, no polarity at DC input)
4	OUT	N	Input terminals (neutral conductor, no polarity at DC input)

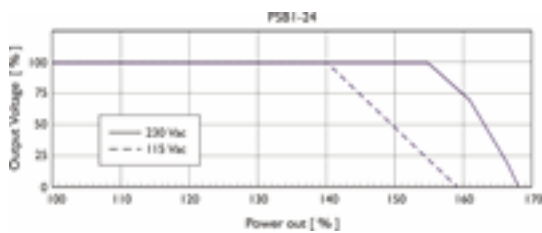
DIMENTISONAL DIAGRAM



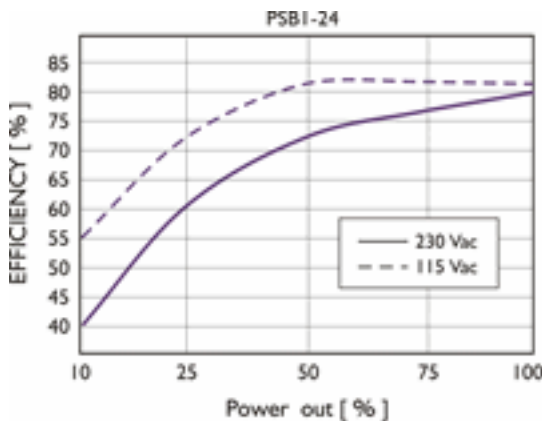
CIRCUIT SCHEMATIC



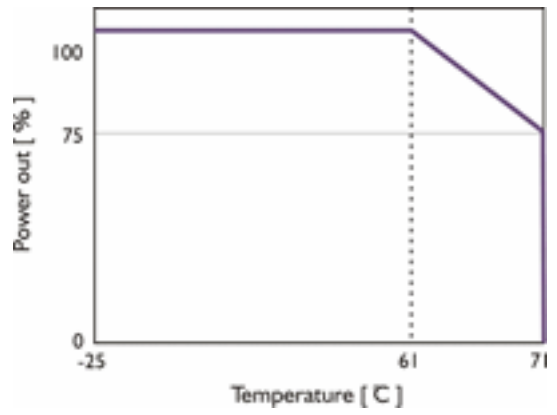
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm) flexible / solid cable,- Connector can withstand torque at maximum 5 pound-inches.4-5 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PSB2/24/12/2



2A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 85%
- Compact design with a width of only 35mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	3000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W35 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	798000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	65 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	2 A
Output Wattage	24 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	82%
Efficiency (typ.)	84%
Standard Packing Qty	1
Cat. No.	PSB2/24/12/2

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 35 x 56.5 mm
Packing	0.17kg ; 80 pcs / 15 kg / 1.82 CUFT
Weight	130 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	15 - 16.5 VDC
Rated over load protection	120-160%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	4.3 W
Rated Input Current -Max. (Vi : 115 VAC)	600 mA
Rated Input Current -Typ. (Vi : 115 VAC)	450 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	9-10.8 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	9-10.8 VDC
Efficiency	85%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	80 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	2 A
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	+/- 1 %

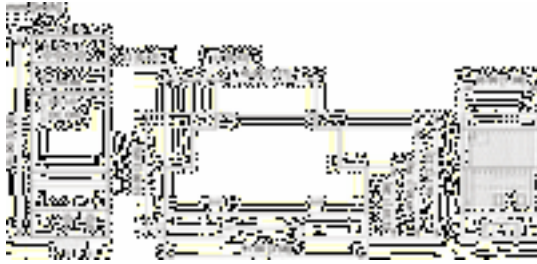
OUTPUT SPECIFICATIONS....

Output Voltage Trim Range	12- 14 VDC
Power Back Immunity	18 VDC
Rated Continuous Loading	2A @ 12VDC / 1.7A @ 14VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

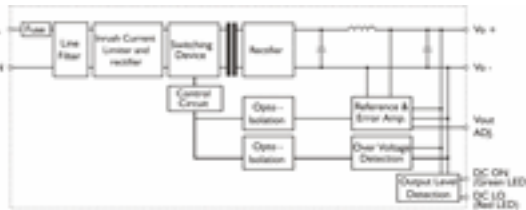
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

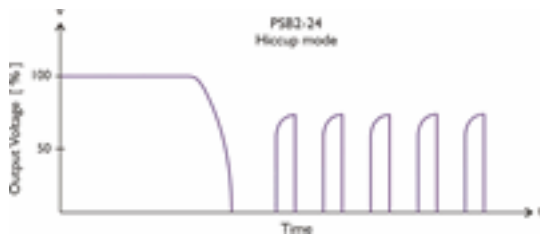
DIMENTIONAL DIAGRAM



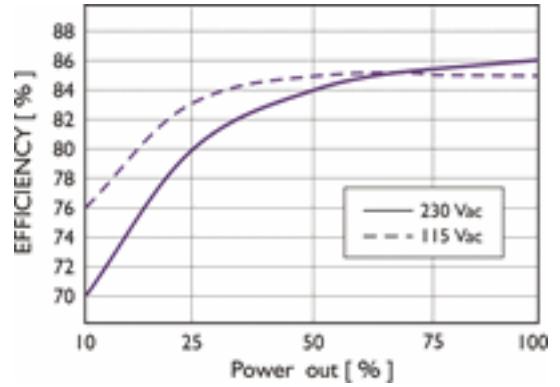
CIRCUIT SCHEMATIC



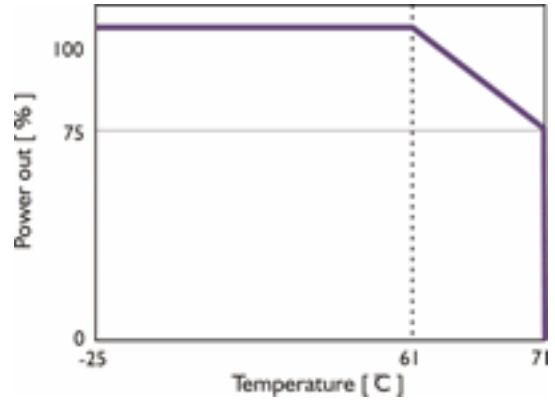
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm²) flexible / solid cable,- Connector can withstand torque at maximum 5 pound-inches. 4-5 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

PSB3/33/12/2.75



2.75A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 84%
- Compact design with a width of only 53mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	3000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W53 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	697000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	65 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	2.75 A
Output Wattage	33 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	80%
Efficiency (typ.)	83%
Standard Packing Qty	1
Cat. No.	PSB3/33/12/2.75

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 53 x 56.5 mm
Packing	0.25kg ; 64 pcs / 17kg / 2.28 CUFT
Weight	190 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	15 - 16.5 VDC
Rated over load protection	110-150%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	25 A
Max. Inrush Current (Vi: 230 VAC)	50 A
Power Dissipation (Vi: 230 VAC, Io norm)	7.3 W
Rated Input Current -Max. (Vi : 115 VAC)	900 mA
Rated Input Current -Typ. (Vi : 115 VAC)	680 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	9-10.8VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	9-10.8VDC
Efficiency	84%
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	100 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	2.75 A
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	12- 14 VDC
Power Back Immunity	18 VDC

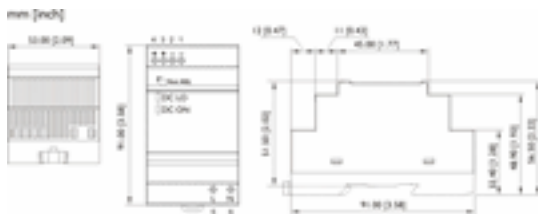
OUTPUT SPECIFICATIONS....

Rated Continuous Loading	2.75A @ 12VDC / 2.3A @ 14VDC
Rise Time	50 mV
Rise Time With 3500 μ F	150 ms
Transient Recovery Time	500 ms
Turn On Time	2 ms
Turn On Time With 3500 μ F	1000 ms
Turn On Time With 3500 μ F	1500 msec

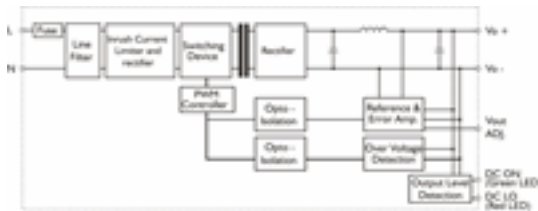
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

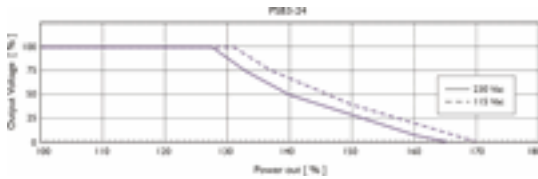
DIMENTIONAL DIAGRAM



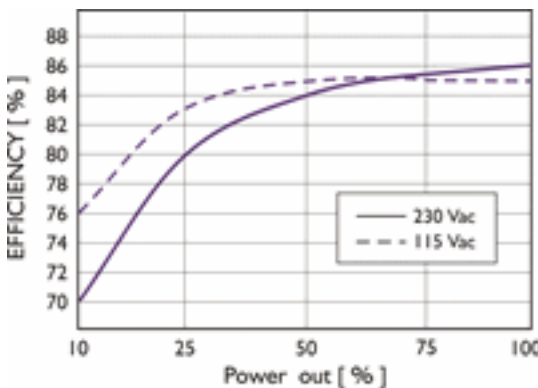
CIRCUIT SCHEMATIC



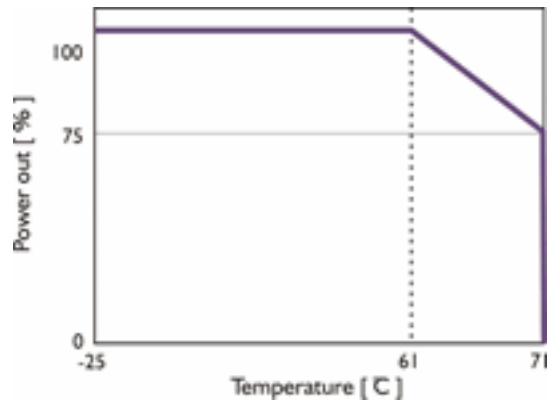
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

AWG24-12 (0.2-2mm²) flexible / solid cable, 7 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 70 C - Connector can withstand torque at maximum 6 pound-inches.

INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended Connector size range

PSB4/54/12/4.5



4.5A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 86%
- Compact design with a width of only 71mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	2000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W71 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	582000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	4.5 A
Output Wattage	54 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	82%
Efficiency (typ.)	84%
Standard Packing Qty	1
Cat. No.	PSB4/54/12/4.5

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 71 x 56.5 mm
Packing	0.31 kg ; 48 pcs / 16kg / 2.28 CUFT
Weight	250 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	15 - 16.5 VDC
Rated over load protection	110-150%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
Power Dissipation (Vi: 230 VAC, Io norm)	10.2 W
Rated Input Current -Max. (Vi : 115 VAC)	1.5 mA
Rated Input Current -Typ. (Vi : 115 VAC)	1.1 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	9-10.8 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	9-10.8 VDC
Efficiency	86%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	16 msec
Hold Up Time (Vi: 230VAC)	60 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	4.5 A
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	12- 14 VDC

OUTPUT SPECIFICATIONS....

Power Back Immunity	18 VDC
Rated Continuous Loading	4.5A @ 12VDC / 3.8A @ 14VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

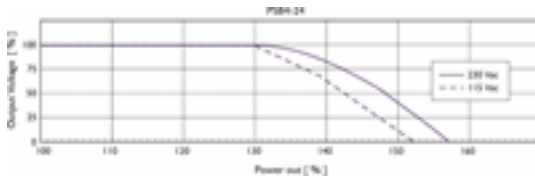
DIMENTIONAL DIAGRAM



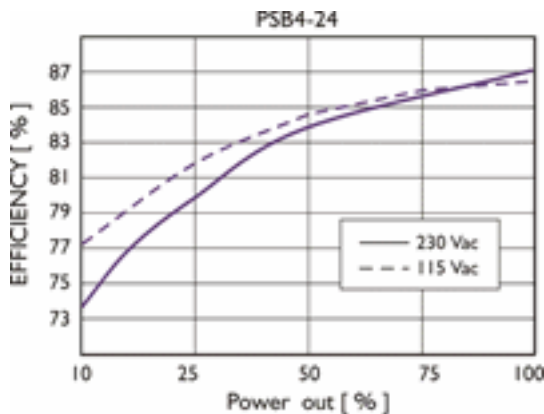
CIRCUIT SCHEMATIC



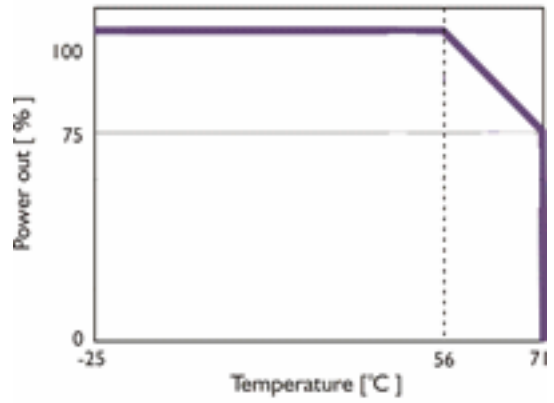
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

AWG24-12 (0.2-2mm²) flexible / solid cable, 7 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 70 C - Connector can withstand torque at maximum 6 pound-inches.

INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended Connector size range

PSB572/12/6



6A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 89%
- Compact design with a width of only 90mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	2000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W90x D57 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	556000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	6 A
Output Wattage	72 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	83%
Efficiency (typ.)	86%
Standard Packing Qty	1
Cat. No.	PSB572/12/6

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 90 x 57 mm
Packing	0.44 kg ; 40 pcs / 19kg / 2.28 CUFT
Weight	380 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	15 - 16.5 VDC
Rated over load protection	110-150%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
Power Dissipation (Vi: 230 VAC, Io norm)	12.9 W
Rated Input Current -Max. (Vi : 115 VAC)	1.7 mA
Rated Input Current -Typ. (Vi : 115 VAC)	1.35 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	9-10.8 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	9-10.8 VDC
Efficiency	89%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	16 msec
Hold Up Time (Vi: 230VAC)	60 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	6 A
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	12- 14 VDC
Power Back Immunity	18 VDC

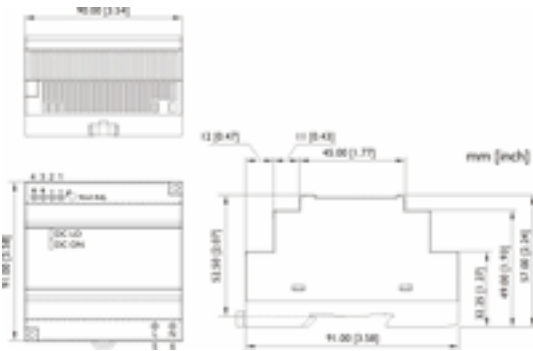
OUTPUT SPECIFICATIONS....

Rated Continuous Loading	6A @ 12VDC / 5.1A @ 14VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

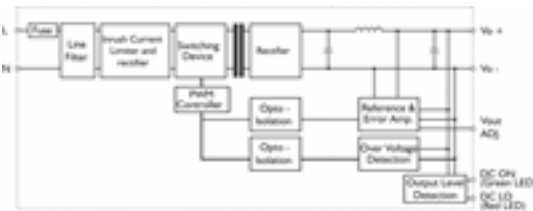
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

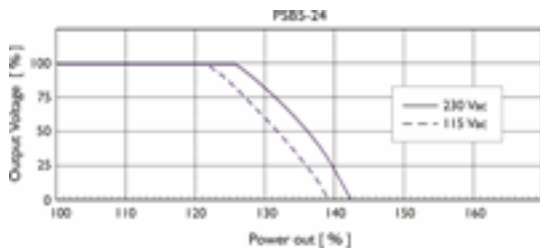
DIMENTISONAL DIAGRAM



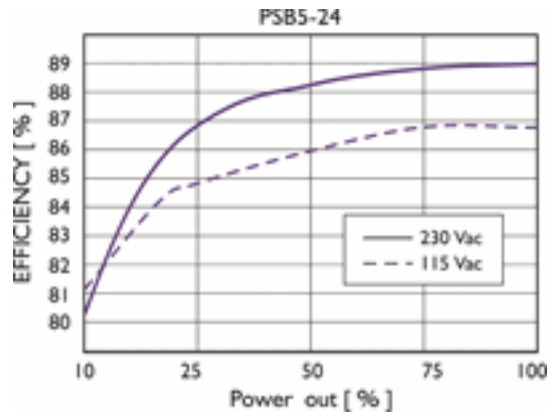
CIRCUIT SCHEMATIC



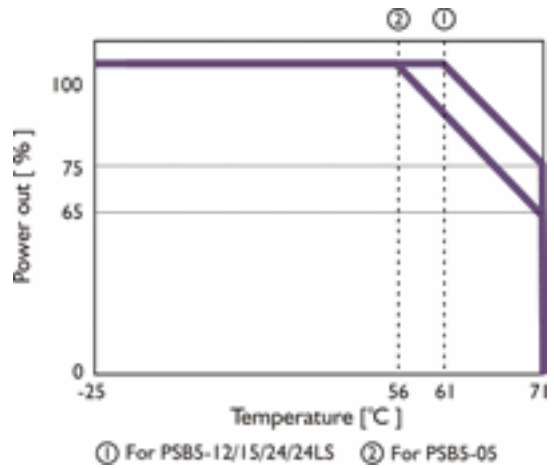
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

AWG24-12 (0.2-2mm²) flexible / solid cable, 7 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 70 C - Connector can withstand torque at maximum 6 pound-inches.

INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended Connector size range

PSB1/10/15/0.67



0.67A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 80%
- Compact design with a width of only 18mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	2000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W18 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	948000 hr
Pollution Degree	2
Relative Humidity Range	20 -95 % RH
Switching Frequency (typ.)	90 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	15 VDC
Output Current	0.67 A
Output Wattage	10 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	76%
Efficiency (typ.)	78%
Standard Packing Qty	1
Cat. No.	PSB1/10/15/0.67

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 18 x 56.5 mm
Packing	0.11kg ; 120 pcs / 14.5kg / 2.28 CUFT
Weight	65 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T1A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	18 - 20 VDC
Rated over load protection	110-165 %

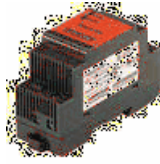
INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	67 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	15 A
Max. Inrush Current (Vi: 230 VAC)	30 A
Power Dissipation (Vi: 230 VAC, Io norm)	2.3 W
Rated Input Current -Max. (Vi : 115 VAC)	300 mA
Rated Input Current -Typ. (Vi : 115 VAC)	200 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	11-13.5 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	11-13.5 VDC
Efficiency	80%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	10 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	0.67 A
Output Voltage	15 VDC
Output Voltage Accuracy (Adjusted before shipment)	+/- 1 %

PSB2/24/15/1.6



1.6A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 85%
- Compact design with a width of only 35mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	3000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W35 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	811000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	65 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	15 VDC
Output Current	1.6 A
Output Wattage	24 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	82%
Efficiency (typ.)	85%
Standard Packing Qty	1
Cat. No.	PSB2/24/15/1.6

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 35 x 56.5 mm
Packing	0.17kg ; 80 pcs / 15 kg / 1.82 CUFT
Weight	130 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	18 - 20 VDC
Rated over load protection	120-160%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	4.3 W
Rated Input Current -Max. (Vi : 115 VAC)	600 mA
Rated Input Current -Typ. (Vi : 115 VAC)	450 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	11-13.5 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	11-13.5 VDC
Efficiency	85%
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	80 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	1.6 A
Output Voltage	15 VDC
Output Voltage Accuracy (Adjusted before shipment)	+/- 1 %
Output Voltage Trim Range	13.5 - 16.5 VDC

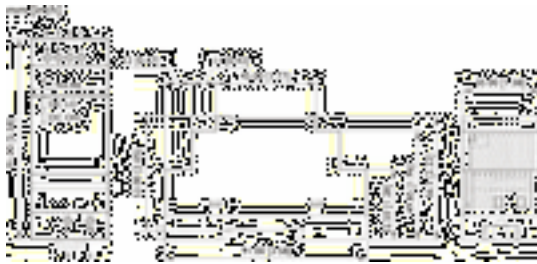
OUTPUT SPECIFICATIONS....

Power Back Immunity	22 VDC
Rated Continuous Loading	1.6A @ 15VDC / 1.4A @ 16.5VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

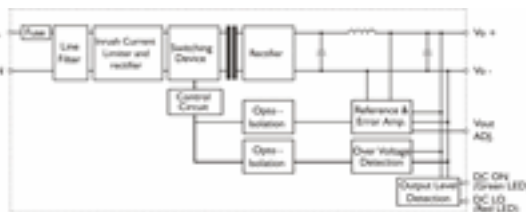
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

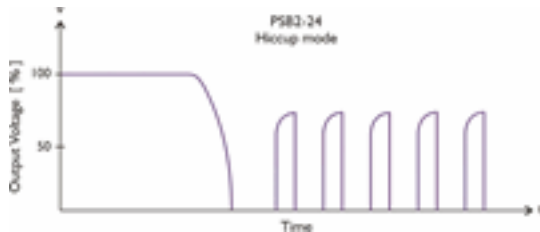
DIMENTISIONAL DIAGRAM



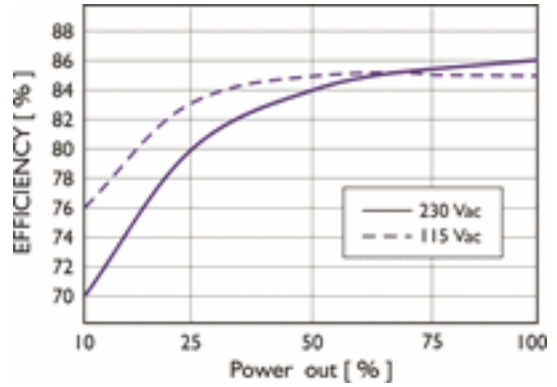
CIRCUIT SCHEMATIC



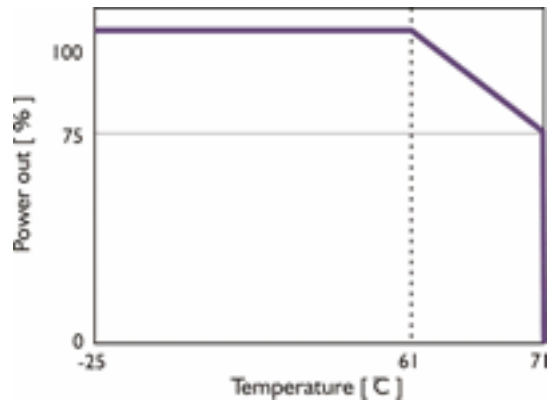
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm²) flexible / solid cable,- Connector can withstand torque at maximum 5 pound-inches.4-5 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PSB3/36/15/2.4



2.4A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 84%
- Compact design with a width of only 53mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	3000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W53 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	710000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	65 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	15 VDC
Output Current	2.4 A
Output Wattage	36 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	81%
Efficiency (typ.)	84%
Standard Packing Qty	1
Cat. No.	PSB3/36/15/2.4

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 53 x 56.5 mm
Packing	0.25kg ; 64 pcs / 17kg / 2.28 CUFT
Weight	190 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	18 - 20 VDC
Rated over load protection	110-150%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	25 A
Max. Inrush Current (Vi: 230 VAC)	50 A
Power Dissipation (Vi: 230 VAC, Io norm)	7.4 W
Rated Input Current -Max. (Vi : 115 VAC)	900 mA
Rated Input Current -Typ. (Vi : 115 VAC)	680 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	11-13.5 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	11-13.5 VDC
Efficiency	84%
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	100 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	2.4 A
Output Voltage	15 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	13.5 - 16.5 VDC
Power Back Immunity	22 VDC

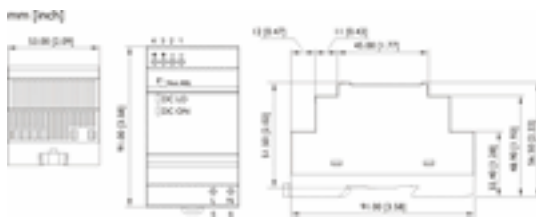
OUTPUT SPECIFICATIONS....

Rated Continuous Loading	2.4A @ 15VDC / 2.1A @ 16.5VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

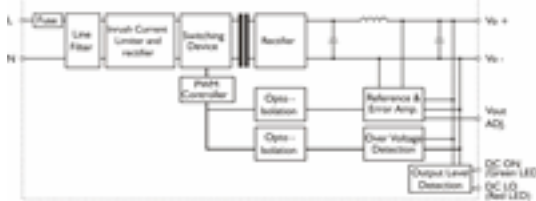
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

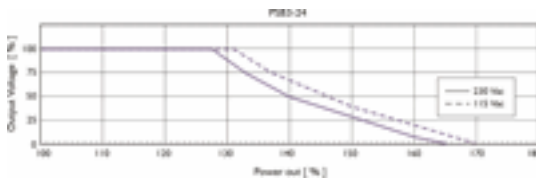
DIMENTIONAL DIAGRAM



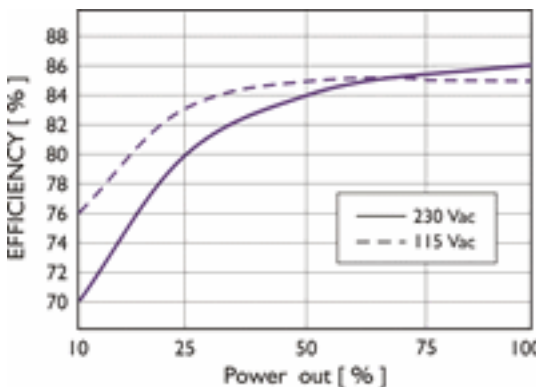
CIRCUIT SCHEMATIC



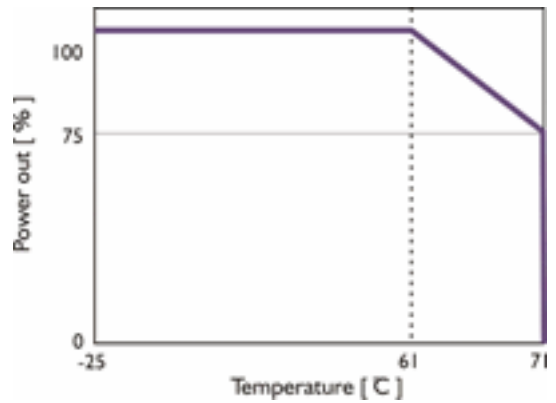
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended Connector size range

CONNECTION DETAILS

AWG24-12 (0.2-2mm²) flexible / solid cable, 7 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 70 C - Connector can withstand torque at maximum 6 pound-inches.

PSB4/60/15/4



4A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 86%
- Compact design with a width of only 71mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	2000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W71 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	582000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	15 VDC
Output Current	4 A
Output Wattage	60 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	83%
Efficiency (typ.)	85%
Standard Packing Qty	1
Cat. No.	PSB4/60/15/4

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 71 x 56.5 mm
Packing	0.31 kg ; 48 pcs / 16kg / 2.28 CUFT
Weight	250 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	18 -20 VDC
Rated over load protection	110-150%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
Power Dissipation (Vi: 230 VAC, Io norm)	10 W
Rated Input Current -Max. (Vi : 115 VAC)	1.5 mA
Rated Input Current -Typ. (Vi : 115 VAC)	1.1 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	11-13.5 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	11-13.5 VDC
Efficiency	86%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	12 msec
Hold Up Time (Vi: 230VAC)	60 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	4 A
Output Voltage	15 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	13.5 - 16.5 VDC

OUTPUT SPECIFICATIONS....

Power Back Immunity	22 VDC
Rated Continuous Loading	4A @ 15VDC / 3.6A @ 16.5VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

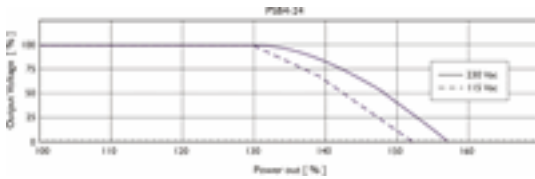
DIMENTIONAL DIAGRAM



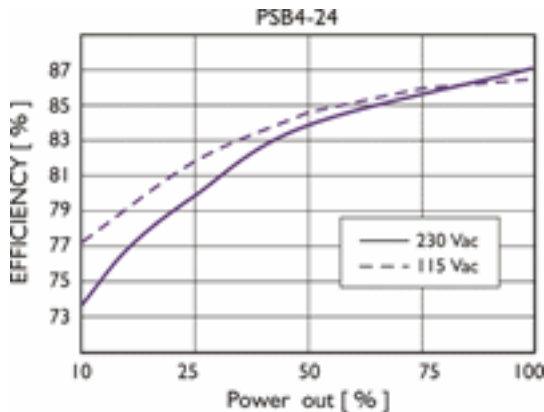
CIRCUIT SCHEMATIC



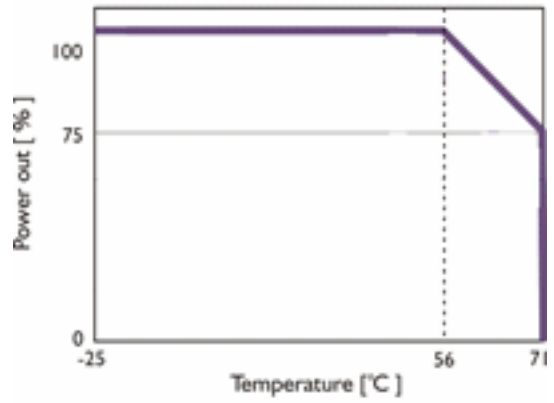
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended Connector size range

CONNECTION DETAILS

AWG24-12 (0.2-2mm²) flexible / solid cable, 7 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 70 C - Connector can withstand torque at maximum 6 pound-inches.

PSB5/75/15/5



5A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 89%
- Compact design with a width of only 90mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	2000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W90x D57 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	564000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	15 VDC
Output Current	5 A
Output Wattage	75 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	83%
Efficiency (typ.)	86%
Standard Packing Qty	1
Cat. No.	PSB5/75/15/5

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 90 x 57 mm
Packing	0.44 kg ; 40 pcs / 19kg / 2.28 CUFT
Weight	380 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	18 - 20 VDC
Rated over load protection	110-150%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
Power Dissipation (Vi: 230 VAC, Io norm)	12.5 W
Rated Input Current -Max. (Vi : 115 VAC)	1.7 mA
Rated Input Current -Typ. (Vi : 115 VAC)	1.35 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	11-13.5 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	11-13.5 VDC
Efficiency	89%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	10 msec
Hold Up Time (Vi: 230VAC)	60 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	5 A
Output Voltage	15 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	13.5 - 16.5 VDC
Power Back Immunity	22 VDC

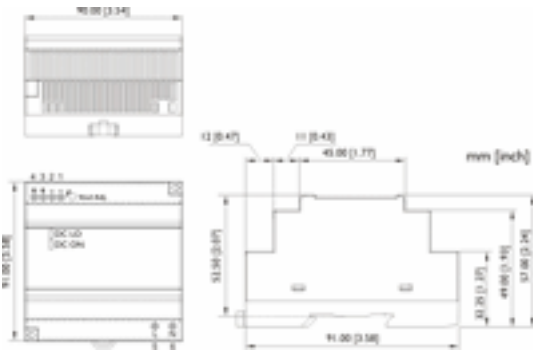
OUTPUT SPECIFICATIONS....

Rated Continuous Loading	5A @ 15VDC / 4.5A @ 16.5VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

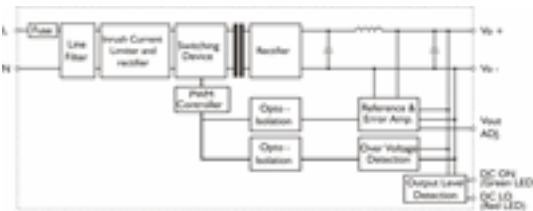
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

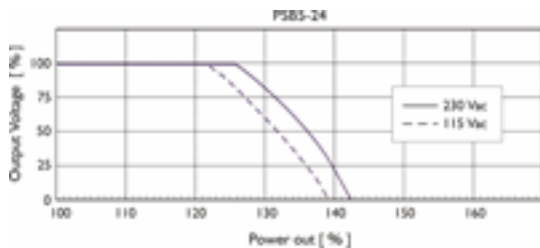
DIMENTISONAL DIAGRAM



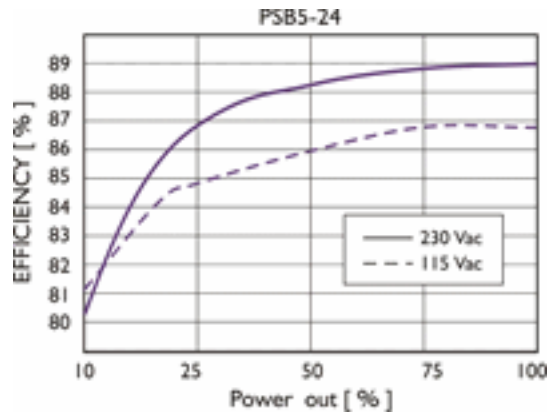
CIRCUIT SCHEMATIC



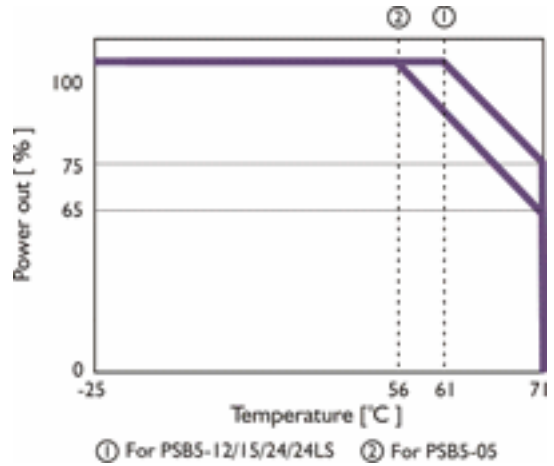
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

AWG24-12 (0.2-2mm²) flexible / solid cable, 7 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 70 C - Connector can withstand torque at maximum 6 pound-inches.

INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended Connector size range

PSB1/10/24/0.42



0.42A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 80%
- Compact design with a width of only 18mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	2000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W18 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	868000 hr
Pollution Degree	2
Relative Humidity Range	20-95 % RH
Switching Frequency (typ.)	90 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	0.42 A
Output Wattage	10 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	78%
Efficiency (typ.)	80%
Standard Packing Qty	1
Cat. No.	PSB1/10/24/0.42

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 18 x 56.5 mm
Packing	0.11kg ; 120 pcs / 14.5kg / 2.28 CUFT
Weight	65 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T1A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	30 - 33 VDC
Rated over load protection	110-165 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	15 A
Max. Inrush Current (Vi: 230 VAC)	30 A
Power Dissipation (Vi: 230 VAC, Io norm)	2.3 W
Rated Input Current -Max. (Vi : 115 VAC)	300 mA
Rated Input Current -Typ. (Vi : 115 VAC)	200 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	19.2-21.6 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	19.2-21.6 VDC
Efficiency	80%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	10 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	0.42 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	+/- 1 %

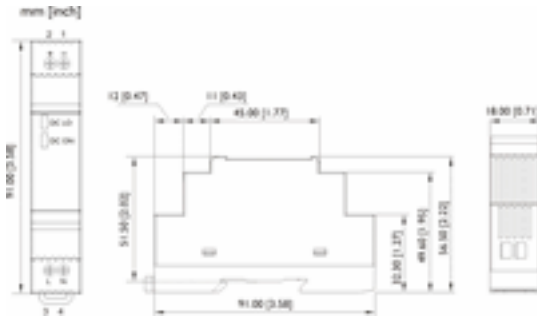
OUTPUT SPECIFICATIONS....

Power Back Immunity	35 VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
1	OUT	-	Negative output terminal
2	OUT	+	Positive output terminal
3	OUT	L	Input terminals (phase conductor, no polarity at DC input)
4	OUT	N	Input terminals (neutral conductor, no polarity at DC input)

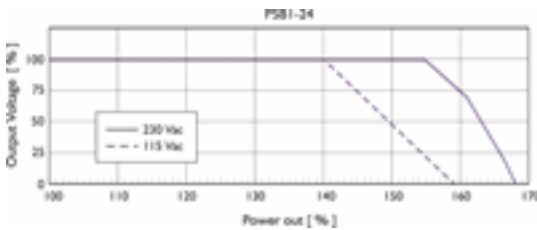
DIMENTISONAL DIAGRAM



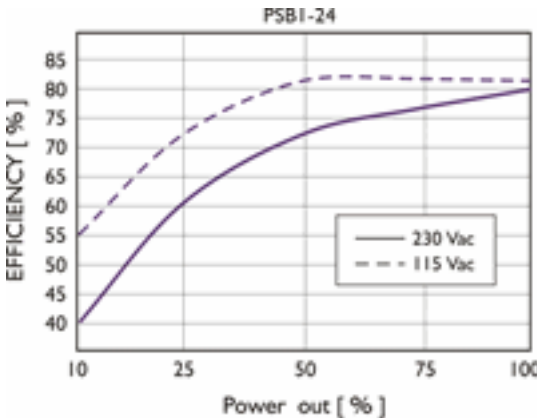
CIRCUIT SCHEMATIC



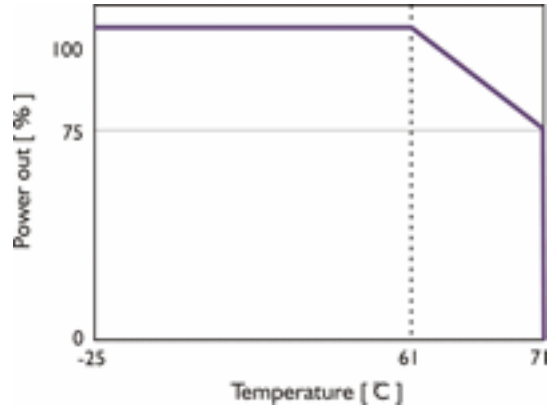
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



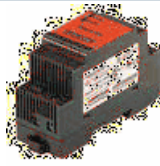
INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm²) flexible / solid cable,- Connector can withstand torque at maximum 5 pound-inches.4-5 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PSB2/24/24/1



1A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 85%
- Compact design with a width of only 35mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	3000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W35 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	832000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	65 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	1 A
Output Wattage	24 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	83%
Efficiency (typ.)	85%
Standard Packing Qty	1
Cat. No.	PSB2/24/24/1

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 35 x 56.5 mm
Packing	0.17kg ; 80 pcs / 15 kg / 1.82 CUFT
Weight	130 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	30 - 33 VDC
Rated over load protection	120-160%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	4 W
Rated Input Current -Max. (Vi : 115 VAC)	600 mA
Rated Input Current -Typ. (Vi : 115 VAC)	450 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	19.2-21.6 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	19.2-21.6 VDC
Efficiency	85%
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	80 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	1 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	+/- 1 %
Output Voltage Trim Range	24 - 28 VDC

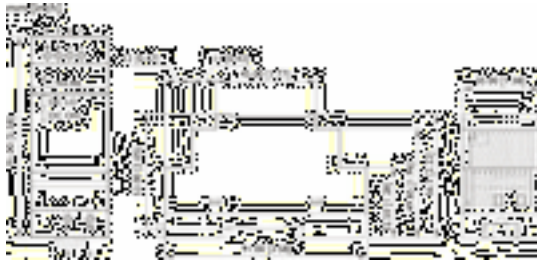
OUTPUT SPECIFICATIONS....

Power Back Immunity	35 VDC
Rated Continuous Loading	1A @ 24VDC / 0.85A @ 28VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

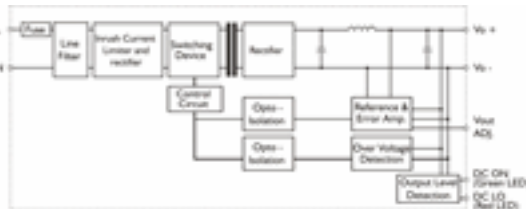
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

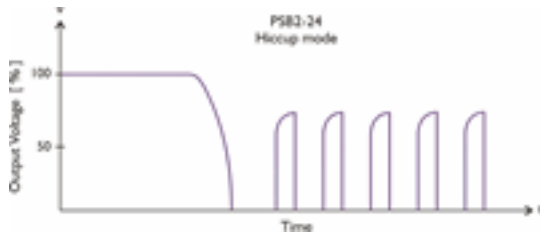
DIMENTISONAL DIAGRAM



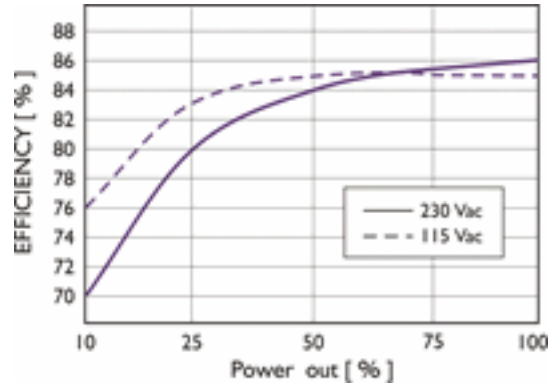
CIRCUIT SCHEMATIC



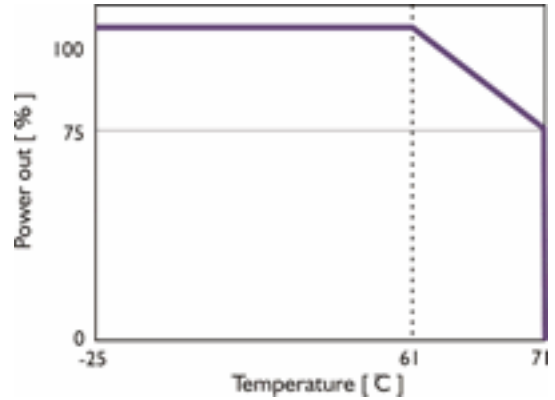
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm²) flexible / solid cable,- Connector can withstand torque at maximum 5 pound-inches.4-5 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PSB3/36/24/1.5



1.5A Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 84%
- Compact design with a width of only 53mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	3000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W53 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	732000 hr
Pollution Degree	2
Relative Humidity Range	20-95 % RH
Switching Frequency (typ.)	65 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	1.5 A
Output Wattage	36 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	81%
Efficiency (typ.)	84%
Standard Packing Qty	1
Cat. No.	PSB3/36/24/1.5

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 53 x 56.5 mm
Packing	0.25kg ; 64 pcs / 17kg / 2.28 CUFT
Weight	190 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	30 - 33 VDC
Rated over load protection	110-150%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	25 A
Max. Inrush Current (Vi: 230 VAC)	50 A
Power Dissipation (Vi: 230 VAC, Io norm)	7.1 W
Rated Input Current -Max. (Vi : 115 VAC)	900 mA
Rated Input Current -Typ. (Vi : 115 VAC)	680 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	19.2-21.6 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	19.2-21.6 VDC
Efficiency	84%
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	100 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	1.5 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	24 - 28 VDC
Power Back Immunity	35 VDC

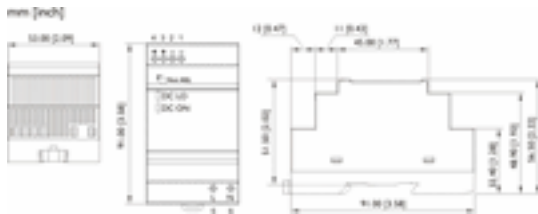
OUTPUT SPECIFICATIONS....

Rated Continuous Loading	1.5A @ 24VDC / 1.25A @ 28VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

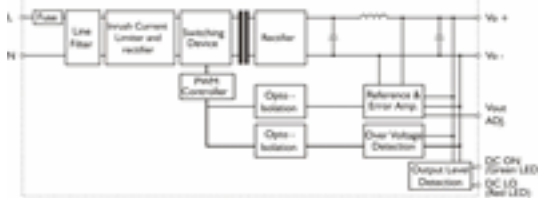
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

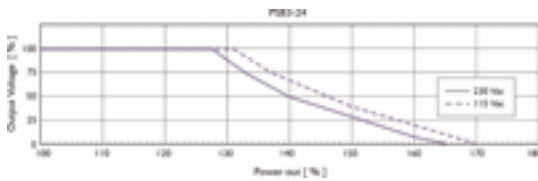
DIMENTENSIONAL DIAGRAM



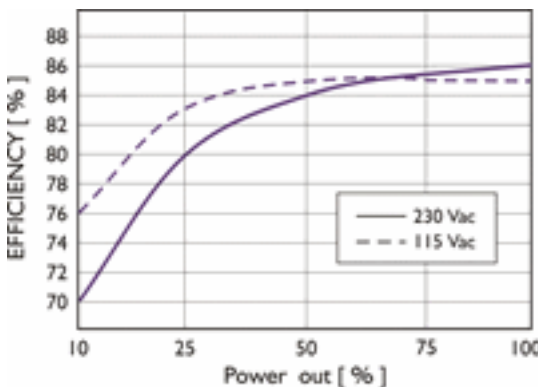
CIRCUIT SCHEMATIC



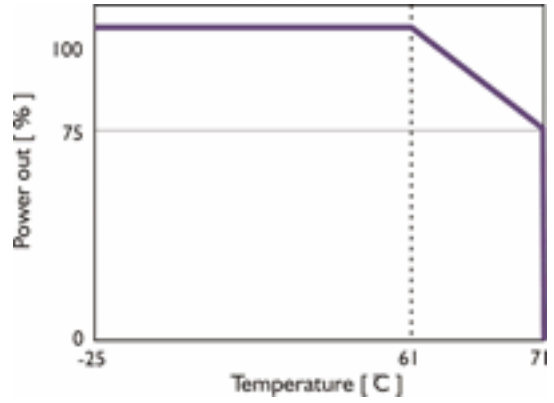
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended Connector size range

CONNECTION DETAILS

AWG24-12 (0.2-2mm²) flexible / solid cable, 7 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 70 C - Connector can withstand torque at maximum 6 pound-inches.

PSB4/60/24/2.5



2.5A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 86%
- Compact design with a width of only 71mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	2000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W71 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	608000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	2.5 A
Output Wattage	60 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	84%
Efficiency (typ.)	86%
Standard Packing Qty	1
Cat. No.	PSB4/60/24/2.5

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 71 x 56.5 mm
Packing	0.31 kg ; 48 pcs / 16kg / 2.28 CUFT
Weight	250 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	30 - 33 VDC
Rated over load protection	110-150%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
Power Dissipation (Vi: 230 VAC, Io norm)	9.9 W
Rated Input Current -Max. (Vi : 115 VAC)	1.5 mA
Rated Input Current -Typ. (Vi : 115 VAC)	1.1 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	19.2-21.6 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	19.2-21.6 VDC
Efficiency	86%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	12 msec
Hold Up Time (Vi: 230VAC)	60 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	2.5 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	24 - 28 VDC

OUTPUT SPECIFICATIONS....

Power Back Immunity	35 VDC
Rated Continuous Loading	2.5A @ 24VDC / 2.1A @ 28VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

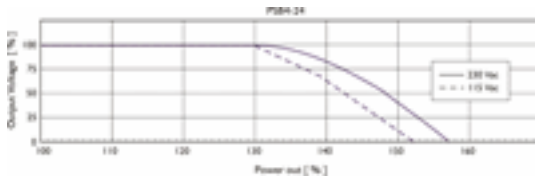
DIMENTIONAL DIAGRAM



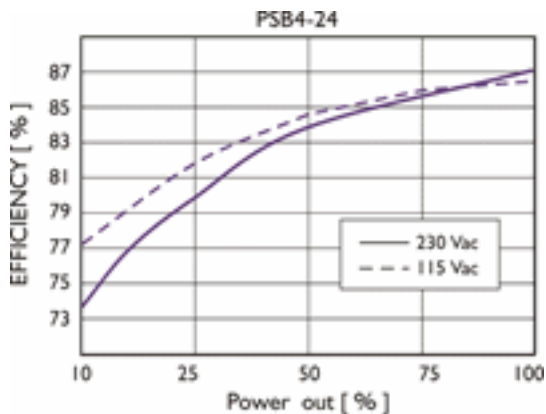
CIRCUIT SCHEMATIC



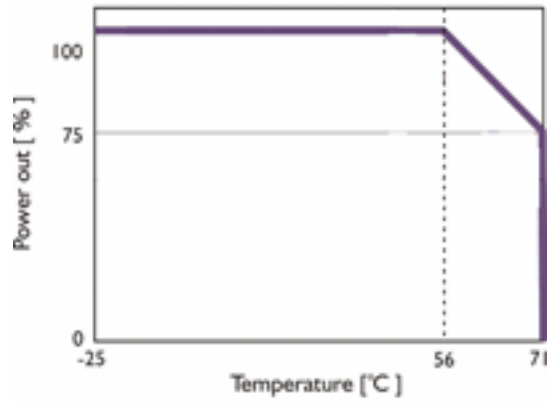
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

AWG24-12 (0.2-2mm²) flexible / solid cable, 7 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 70 C - Connector can withstand torque at maximum 6 pound-inches.

INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended Connector size range

PSB5/100/24/3.8-L



4.2A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 89%
- Compact design with a width of only 90mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	2000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W90x D57 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	525000 hr
Pollution Degree	2
Relative Humidity Range	20 -95 % RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	4.2 A
Output Wattage	100.8 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	86%
Efficiency (typ.)	89%
Standard Packing Qty	1
Cat. No.	PSB5/100/24/4.2

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 90 x 57 mm
Packing	0.44 kg / 40 pcs / 19kg / 2.28 CUFT
Weight	380 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	30- 33 VDC
Rated over load protection	110-150%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
Power Dissipation (Vi: 230 VAC, Io norm)	12.2 W
Rated Input Current -Max. (Vi : 115 VAC)	2.2 mA
Rated Input Current -Typ. (Vi : 115 VAC)	1.8 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	19.2-21.6 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	19.2-21.6 VDC
Efficiency	89%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	10 msec
Hold Up Time (Vi: 230VAC)	60 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	4.2 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	24 - 28 VDC

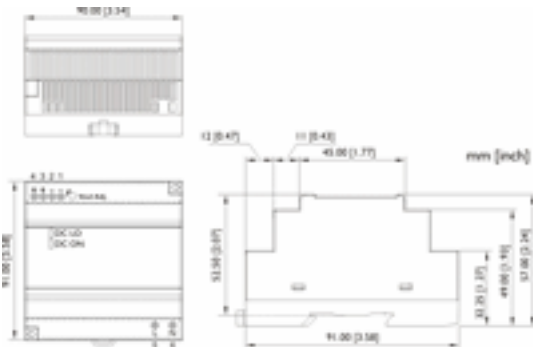
OUTPUT SPECIFICATIONS....

Power Back Immunity	35 VDC
Rated Continuous Loading	4.2A @ 24VDC / 3.6A @ 28VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

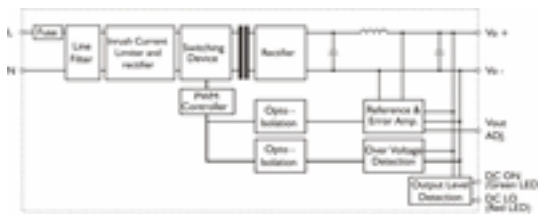
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

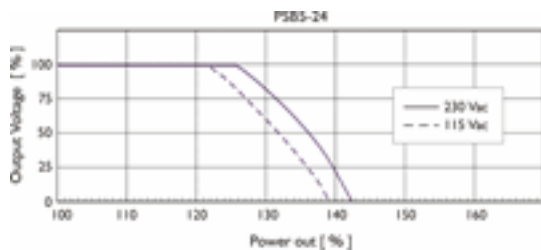
DIMENTISONAL DIAGRAM



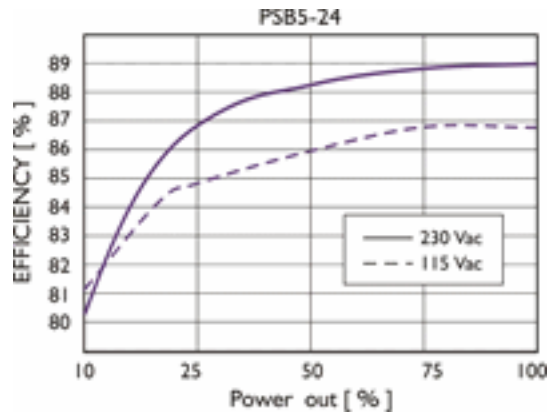
CIRCUIT SCHEMATIC



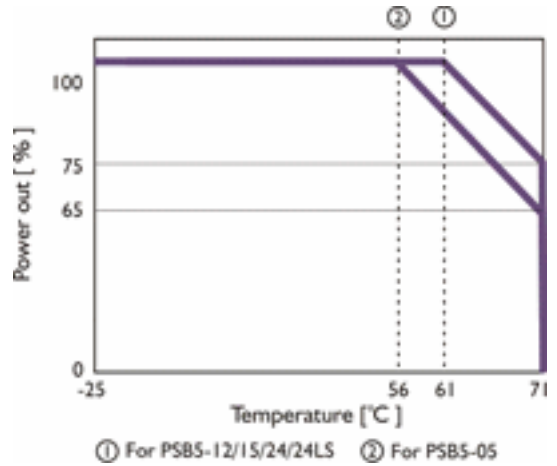
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended Connector size range

CONNECTION DETAILS

AWG24-12 (0.2-2mm²) flexible / solid cable, 7 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 70 C - Connector can withstand torque at maximum 6 pound-inches.

PSB1/7.5/5/1.5



1.5A ,Single Phase Din Rail Mountable Step Type Switching Power Supplytest

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 80%
- Compact design with a width of only 18mm
- Two years product warrantytest

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	2000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air ConvectionFree Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W18 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	970000 hr
Pollution Degree	22
Relative Humidity Range	20-95 % RH
Switching Frequency (typ.)	90 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	5 VDC
Output Current	1.51.5 A
Output Wattage	7.57.5 W
Input Voltage Range	9090 - 264 VAC
Efficiency (min.)	72%
Efficiency (typ.)	74%
Standard Packing Qty	11
Cat. No.	PSB1/7.5/5/1.5

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 18 x 56.5 mm
Packing	0.11kg ; 120 pcs / 14.5kg / 2.28 CUFT
Weight	6565 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20IP20
Input fuse	T1A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	VaristorVaristor
Output short circuit	Fold forwardFold forward
Over voltage protection	5.75- 6.5 5.75- 6.5 VDC
Rated over load protection	110110-165 %

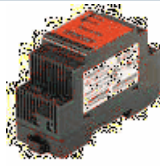
INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	SingleSingle
Inrush Current (Vi: 115 VAC)	15 A
Inrush Current (Vi: 230 VAC)	30 A
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Power Dissipation (Vi: 230 VAC, Io norm)	2.3 W
Rated Input Current -Max. (Vi : 115 VAC)	300 mA
Rated Input Current -Typ. (Vi : 115 VAC)	200 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	3.5 to 4.5 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	3.5 to 4.5 VDC
Efficiency	8080%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	10 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	1.5 A
Output Voltage	55 VDC
Output Voltage Accuracy (Adjusted before shipment)	+/- 1 %

PSB2/15/5/3



3A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 85%
- Compact design with a width of only 35mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	3000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W35 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	850000 hr
Pollution Degree	2
Relative Humidity Range	20 -95 % RH
Switching Frequency (typ.)	65 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celsius

ORDERING INFORMATION

Output Voltage	5 VDC
Output Current	3 A
Output Wattage	15 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	80%
Efficiency (typ.)	82%
Standard Packing Qty	1
Cat. No.	PSB2/15/5/3

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 35 x 56.5 mm
Packing	0.17kg ; 80 pcs / 15 kg / 1.82 CUFT
Weight	130 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	5.75 - 6.5 VDC
Rated over load protection	120-160%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	3.5 W
Rated Input Current -Max. (Vi : 115 VAC)	400 mA
Rated Input Current -Typ. (Vi : 115 VAC)	200 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	3.5-4.5 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	3.5-4.5 VDC
Efficiency	85%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	80 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	3 A
Output Voltage	5 VDC
Output Voltage Accuracy (Adjusted before shipment)	+/- 1 %

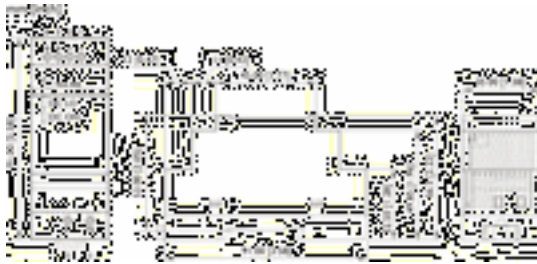
OUTPUT SPECIFICATIONS....

Output Voltage Trim Range	5 - 5.5 VDC
Power Back Immunity	7.5 VDC
Rated Continuous Loading	3A @ 5VDC / 2.7A @ 5.5VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

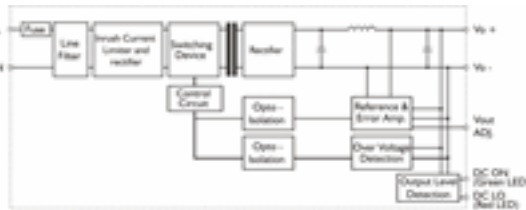
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

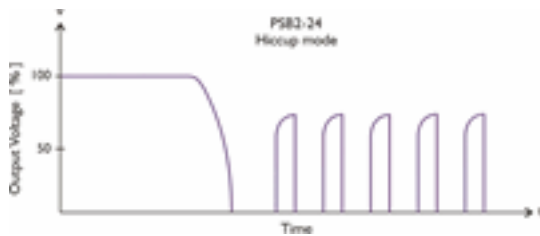
DIMENTIONAL DIAGRAM



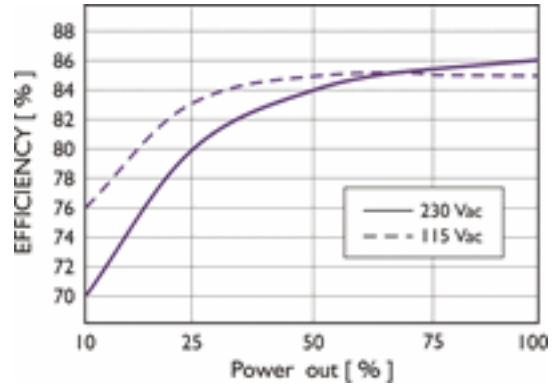
CIRCUIT SCHEMATIC



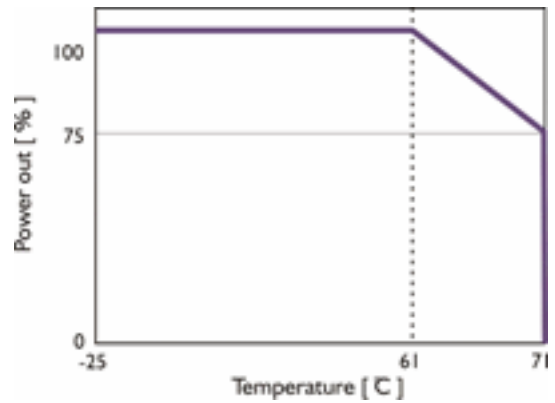
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm²) flexible / solid cable,- Connector can withstand torque at maximum 5 pound-inches. 4-5 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

PSB3/22.5/5/4.5



4.5A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 84%
- Compact design with a width of only 53mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	3000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W53 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	689000 hr
Pollution Degree	2
Relative Humidity Range	20-95 % RH
Switching Frequency (typ.)	65 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	5 VDC
Output Current	4.5 A
Output Wattage	22.5 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	72%
Efficiency (typ.)	75%
Standard Packing Qty	1
Cat. No.	PSB3/22.5/5/4.5

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 53 x 56.5 mm
Packing	0.25kg ; 64 pcs / 17kg / 2.28 CUFT
Weight	190 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	5.75 - 6.5 VDC
Rated over load protection	110-150%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	25 A
Max. Inrush Current (Vi: 230 VAC)	50 A
Power Dissipation (Vi: 230 VAC, Io norm)	7.5 W
Rated Input Current -Max. (Vi : 115 VAC)	600 mA
Rated Input Current -Typ. (Vi : 115 VAC)	480 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	3.5-4.5 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	3.5-4.5 VDC
Efficiency	84%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	100 msec
Line Regulation	+/-1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	4.5 A
Output Voltage	5 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	5 - 5.5 VDC

PSB4/35/5/7



7A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 86%
- Compact design with a width of only 71mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	2000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W71 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	595000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	5 VDC
Output Current	7 A
Output Wattage	35 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	78%
Efficiency (typ.)	80%
Standard Packing Qty	1
Cat. No.	PSB4/35/5/7

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 71 x 56.5 mm
Packing	0.31 kg ; 48 pcs / 16kg / 2.28 CUFT
Weight	250 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	5.75 - 6.5VDC
Rated over load protection	110-150%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
Power Dissipation (Vi: 230 VAC, Io norm)	8.8 W
Rated Input Current -Max. (Vi : 115 VAC)	1 mA
Rated Input Current -Typ. (Vi : 115 VAC)	0.7 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	3.5-4.5 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	3.5-4.5 VDC
Efficiency	86%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	16 msec
Hold Up Time (Vi: 230VAC)	60 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	7 A
Output Voltage	5 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	5 - 5.5 VDC

OUTPUT SPECIFICATIONS....

Power Back Immunity	7.5 VDC
Rated Continuous Loading	7A @ 5VDC / 6.3A @ 5.5VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

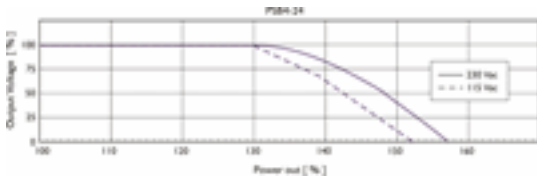
DIMENTIONAL DIAGRAM



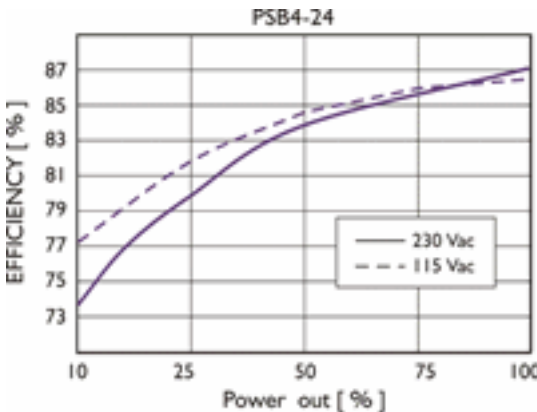
CIRCUIT SCHEMATIC



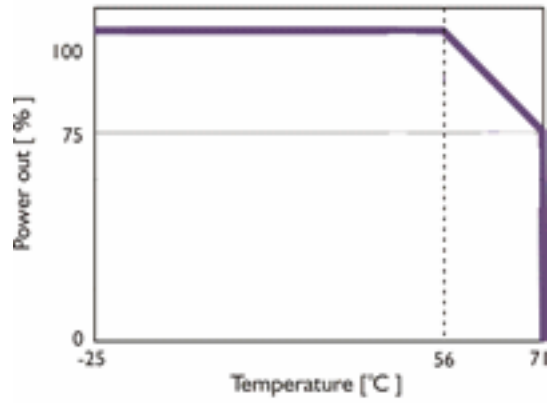
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended Connector size range

CONNECTION DETAILS

AWG24-12 (0.2-2mm²) flexible / solid cable, 7 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 70 C - Connector can withstand torque at maximum 6 pound-inches.

PSB5/60/5/12



12A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 89%
- Compact design with a width of only 90mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	2000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W90x D57 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	566000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	5 VDC
Output Current	12 A
Output Wattage	60 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	78%
Efficiency (typ.)	80%
Standard Packing Qty	1
Cat. No.	PSB5/60/5/12

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 90 x 57 mm
Packing	0.44 kg ; 40 pcs / 19kg / 2.28 CUFT
Weight	380 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	5.75 - 6.5 VDC
Rated over load protection	110-150%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
Power Dissipation (Vi: 230 VAC, Io norm)	15.6 W
Rated Input Current -Max. (Vi : 115 VAC)	1.5 mA
Rated Input Current -Typ. (Vi : 115 VAC)	1.15 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	3.5-4.5 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	3.5-4.5 VDC
Efficiency	89%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	16 msec
Hold Up Time (Vi: 230VAC)	60 msec
Line Regulation	+/-1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	12 A
Output Voltage	5 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	5 - 5.5 VDC
Power Back Immunity	7.5 VDC

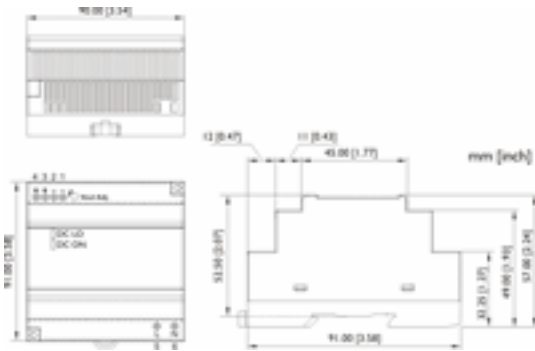
OUTPUT SPECIFICATIONS....

Rated Continuous Loading	12A @ 5VDC / 10.5A @ 5.5VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

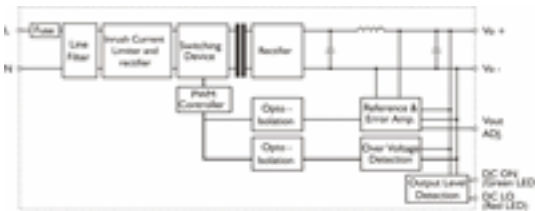
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

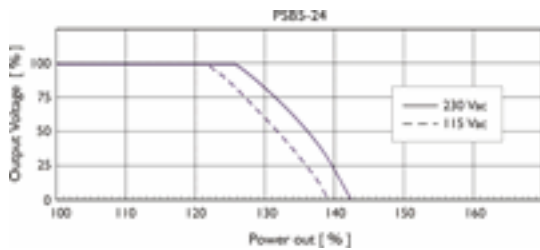
DIMENTISONAL DIAGRAM



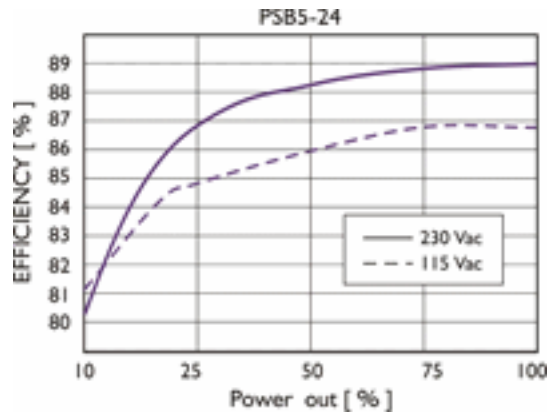
CIRCUIT SCHEMATIC



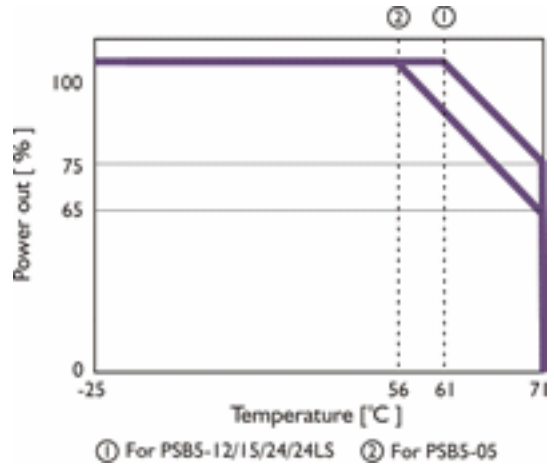
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

AWG24-12 (0.2-2mm²) flexible / solid cable, 7 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 70 C - Connector can withstand torque at maximum 6 pound-inches.

INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended Connector size range

PSB1/10/12/0.83



0.83A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 80%
- Compact design with a width of only 18mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	2000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W18 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	884000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	90 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	0.83 A
Output Wattage	10 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	76%
Efficiency (typ.)	78%
Standard Packing Qty	1
Cat. No.	PSB1/10/12/0.83

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 18 x 56.5 mm
Packing	0.11kg ; 120 pcs / 14.5kg / 2.28 CUFT
Weight	65 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T1A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	15 - 16.5 VDC
Rated over load protection	110-165 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	15 A
Max. Inrush Current (Vi: 230 VAC)	30 A
Power Dissipation (Vi: 230 VAC, Io norm)	2.3 W
Rated Input Current -Max. (Vi : 115 VAC)	300 mA
Rated Input Current -Typ. (Vi : 115 VAC)	200 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	9-10.8 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	9-10.8 VDC
Efficiency	80%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	10 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	0.83 A
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	+/- 1 %

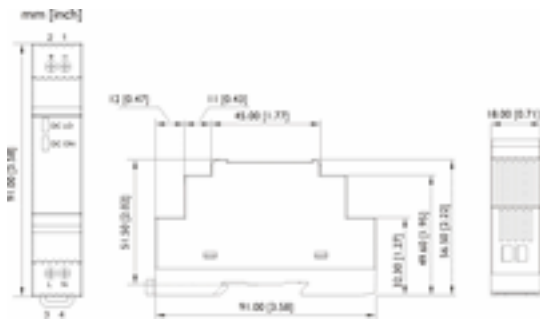
OUTPUT SPECIFICATIONS....

Power Back Immunity	18 VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
1	OUT	-	Negative output terminal
2	OUT	+	Positive output terminal
3	OUT	L	Input terminals (phase conductor, no polarity at DC input)
4	OUT	N	Input terminals (neutral conductor, no polarity at DC input)

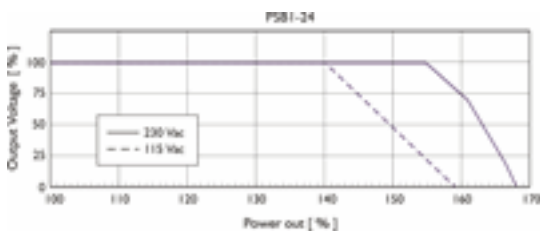
DIMENTISONAL DIAGRAM



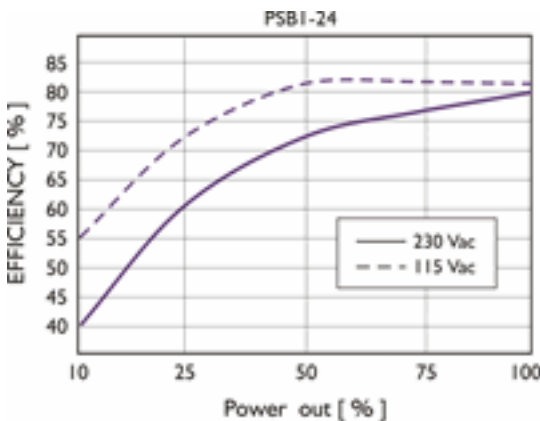
CIRCUIT SCHEMATIC



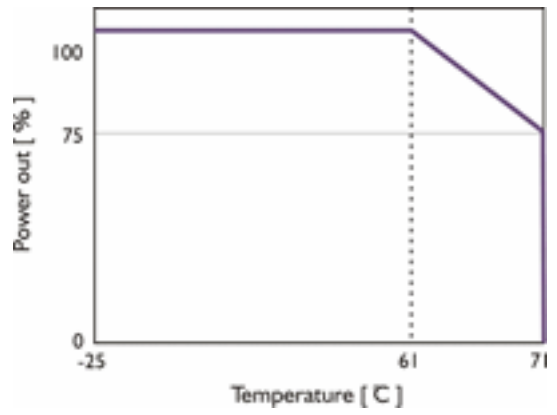
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm) flexible / solid cable,- Connector can withstand torque at maximum 5 pound-inches.4-5 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PSB2/24/12/2



2A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 85%
- Compact design with a width of only 35mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	3000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W35 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	798000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	65 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	2 A
Output Wattage	24 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	82%
Efficiency (typ.)	84%
Standard Packing Qty	1
Cat. No.	PSB2/24/12/2

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 35 x 56.5 mm
Packing	0.17kg ; 80 pcs / 15 kg / 1.82 CUFT
Weight	130 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	15 - 16.5 VDC
Rated over load protection	120-160%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	4.3 W
Rated Input Current -Max. (Vi : 115 VAC)	600 mA
Rated Input Current -Typ. (Vi : 115 VAC)	450 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	9-10.8 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	9-10.8 VDC
Efficiency	85%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	80 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	2 A
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	+/- 1 %

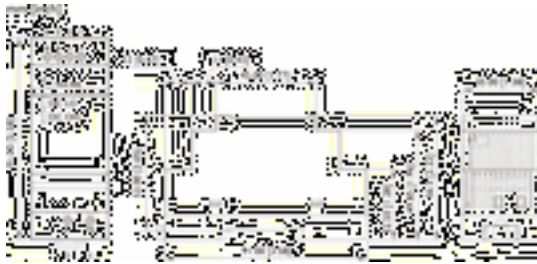
OUTPUT SPECIFICATIONS....

Output Voltage Trim Range	12- 14 VDC
Power Back Immunity	18 VDC
Rated Continuous Loading	2A @ 12VDC / 1.7A @ 14VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

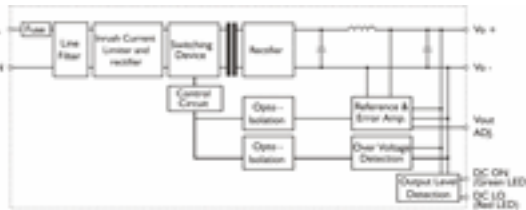
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

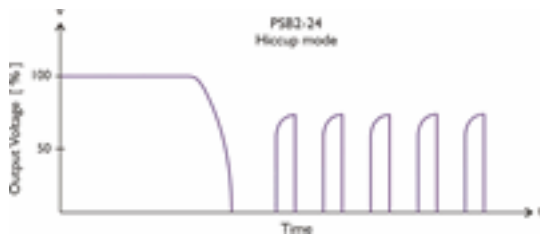
DIMENTIONAL DIAGRAM



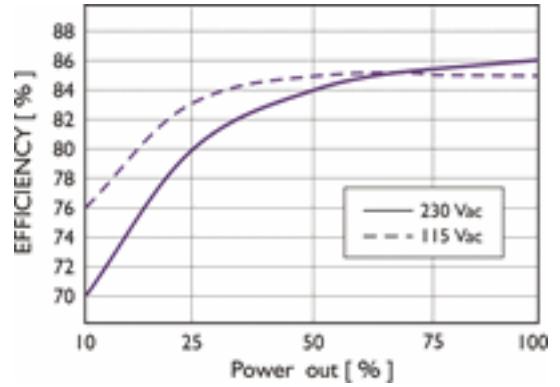
CIRCUIT SCHEMATIC



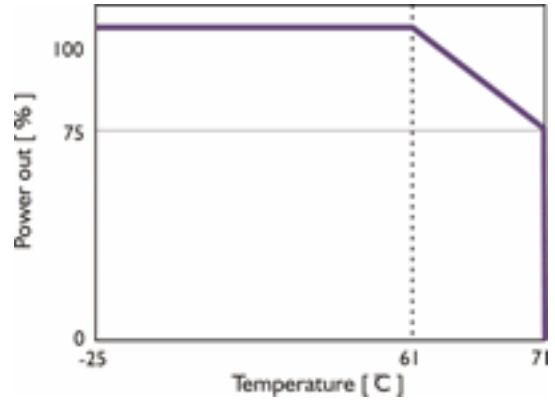
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



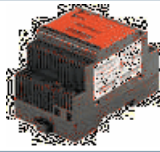
CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm²) flexible / solid cable,- Connector can withstand torque at maximum 5 pound-inches. 4-5 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

PSB3/33/12/2.75



2.75A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 84%
- Compact design with a width of only 53mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	3000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W53 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	697000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	65 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	2.75 A
Output Wattage	33 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	80%
Efficiency (typ.)	83%
Standard Packing Qty	1
Cat. No.	PSB3/33/12/2.75

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 53 x 56.5 mm
Packing	0.25kg ; 64 pcs / 17kg / 2.28 CUFT
Weight	190 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	15 - 16.5 VDC
Rated over load protection	110-150%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	25 A
Max. Inrush Current (Vi: 230 VAC)	50 A
Power Dissipation (Vi: 230 VAC, Io norm)	7.3 W
Rated Input Current -Max. (Vi : 115 VAC)	900 mA
Rated Input Current -Typ. (Vi : 115 VAC)	680 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	9-10.8VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	9-10.8VDC
Efficiency	84%
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	100 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	2.75 A
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	12- 14 VDC
Power Back Immunity	18 VDC

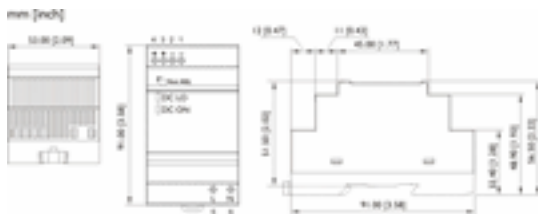
OUTPUT SPECIFICATIONS....

Rated Continuous Loading	2.75A @ 12VDC / 2.3A @ 14VDC
Rise Time	50 mV
Rise Time With 3500 μ F	150 ms
Transient Recovery Time	500 ms
Turn On Time	2 ms
Turn On Time With 3500 μ F	1000 ms
Turn On Time With 3500 μ F	1500 msec

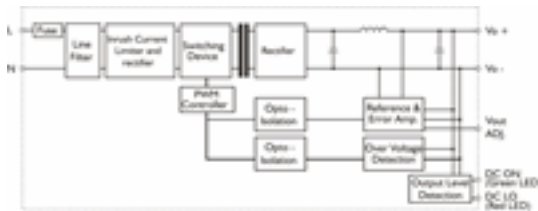
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

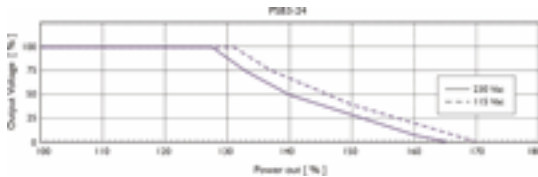
DIMENTIONAL DIAGRAM



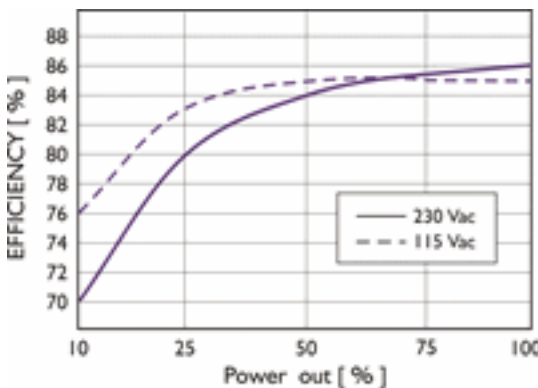
CIRCUIT SCHEMATIC



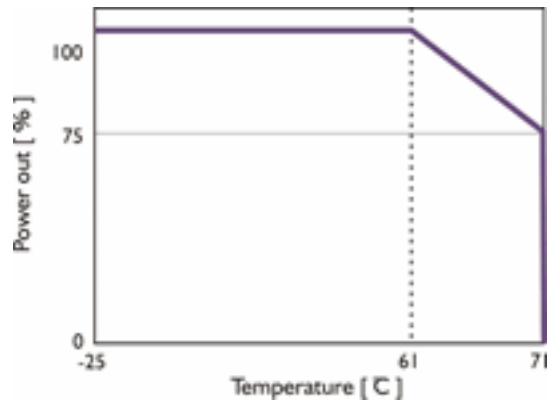
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

AWG24-12 (0.2-2mm²) flexible / solid cable, 7 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 70 C - Connector can withstand torque at maximum 6 pound-inches.

INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended Connector size range

PSB4/54/12/4.5



4.5A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 86%
- Compact design with a width of only 71mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	2000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W71 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	582000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	4.5 A
Output Wattage	54 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	82%
Efficiency (typ.)	84%
Standard Packing Qty	1
Cat. No.	PSB4/54/12/4.5

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 71 x 56.5 mm
Packing	0.31 kg ; 48 pcs / 16kg / 2.28 CUFT
Weight	250 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	15 - 16.5 VDC
Rated over load protection	110-150%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
Power Dissipation (Vi: 230 VAC, Io norm)	10.2 W
Rated Input Current -Max. (Vi : 115 VAC)	1.5 mA
Rated Input Current -Typ. (Vi : 115 VAC)	1.1 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	9-10.8 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	9-10.8 VDC
Efficiency	86%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	16 msec
Hold Up Time (Vi: 230VAC)	60 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	4.5 A
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	12- 14 VDC

OUTPUT SPECIFICATIONS....

Power Back Immunity	18 VDC
Rated Continuous Loading	4.5A @ 12VDC / 3.8A @ 14VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

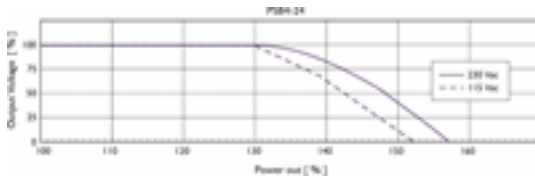
DIMENTIONAL DIAGRAM



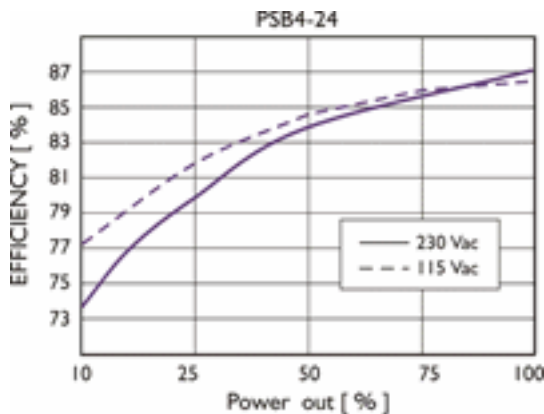
CIRCUIT SCHEMATIC



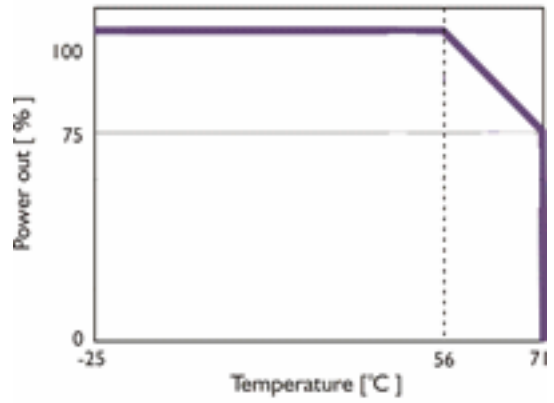
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

AWG24-12 (0.2-2mm²) flexible / solid cable, 7 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 70 C - Connector can withstand torque at maximum 6 pound-inches.

INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended Connector size range

PSB572/12/6



6A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 89%
- Compact design with a width of only 90mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	2000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W90x D57 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	556000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	6 A
Output Wattage	72 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	83%
Efficiency (typ.)	86%
Standard Packing Qty	1
Cat. No.	PSB572/12/6

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 90 x 57 mm
Packing	0.44 kg ; 40 pcs / 19kg / 2.28 CUFT
Weight	380 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	15 - 16.5 VDC
Rated over load protection	110-150%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
Power Dissipation (Vi: 230 VAC, Io norm)	12.9 W
Rated Input Current -Max. (Vi : 115 VAC)	1.7 mA
Rated Input Current -Typ. (Vi : 115 VAC)	1.35 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	9-10.8 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	9-10.8 VDC
Efficiency	89%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	16 msec
Hold Up Time (Vi: 230VAC)	60 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	6 A
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	12- 14 VDC
Power Back Immunity	18 VDC

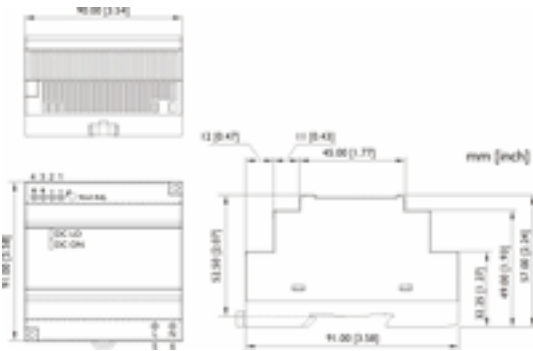
OUTPUT SPECIFICATIONS....

Rated Continuous Loading	6A @ 12VDC / 5.1A @ 14VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

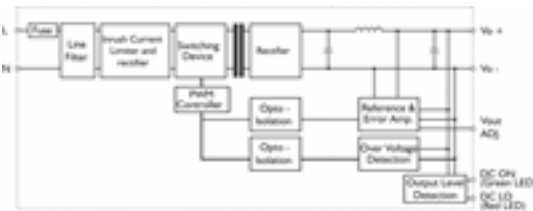
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

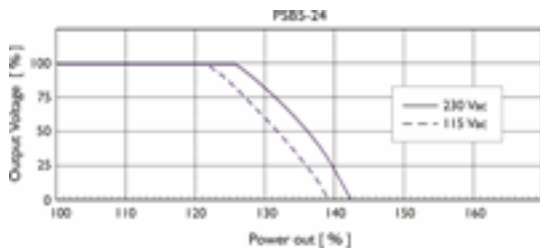
DIMENTSONAL DIAGRAM



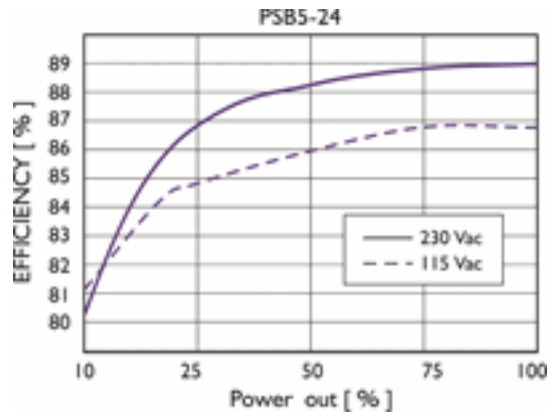
CIRCUIT SCHEMATIC



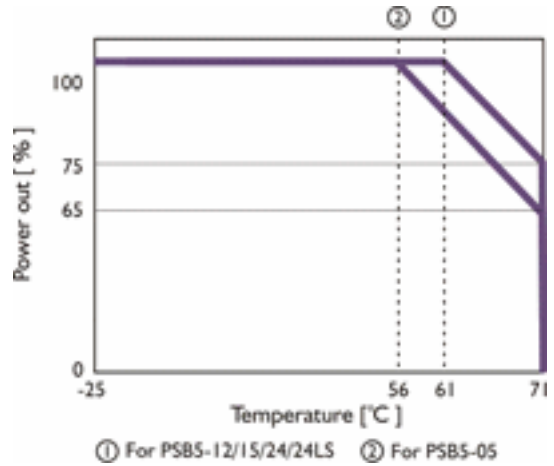
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

AWG24-12 (0.2-2mm²) flexible / solid cable, 7 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 70 C - Connector can withstand torque at maximum 6 pound-inches.

INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended Connector size range

PSB1/10/15/0.67



0.67A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 80%
- Compact design with a width of only 18mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	2000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W18 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	948000 hr
Pollution Degree	2
Relative Humidity Range	20 -95 % RH
Switching Frequency (typ.)	90 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	15 VDC
Output Current	0.67 A
Output Wattage	10 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	76%
Efficiency (typ.)	78%
Standard Packing Qty	1
Cat. No.	PSB1/10/15/0.67

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 18 x 56.5 mm
Packing	0.11kg ; 120 pcs / 14.5kg / 2.28 CUFT
Weight	65 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T1A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	18 - 20 VDC
Rated over load protection	110-165 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	67 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	15 A
Max. Inrush Current (Vi: 230 VAC)	30 A
Power Dissipation (Vi: 230 VAC, Io norm)	2.3 W
Rated Input Current -Max. (Vi : 115 VAC)	300 mA
Rated Input Current -Typ. (Vi : 115 VAC)	200 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	11-13.5 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	11-13.5 VDC
Efficiency	80%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	10 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	0.67 A
Output Voltage	15 VDC
Output Voltage Accuracy (Adjusted before shipment)	+/- 1 %

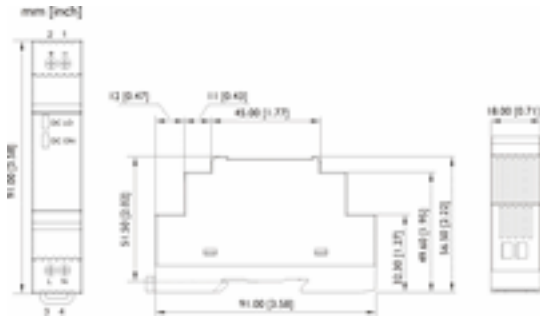
OUTPUT SPECIFICATIONS....

Power Back Immunity	22 VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
1	OUT	-	Negative output terminal
2	OUT	+	Positive output terminal
3	OUT	L	Input terminals (phase conductor, no polarity at DC input)
4	OUT	N	Input terminals (neutral conductor, no polarity at DC input)

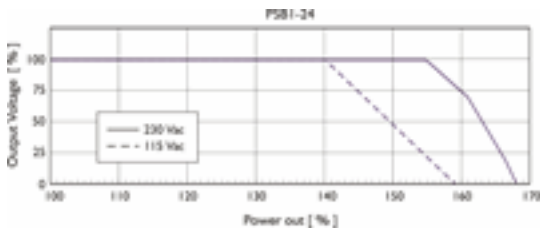
DIMENTISONAL DIAGRAM



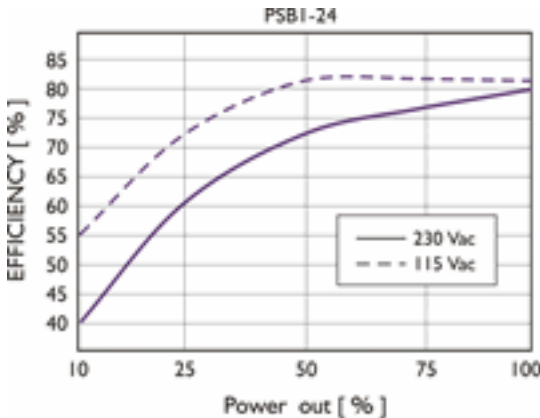
CIRCUIT SCHEMATIC



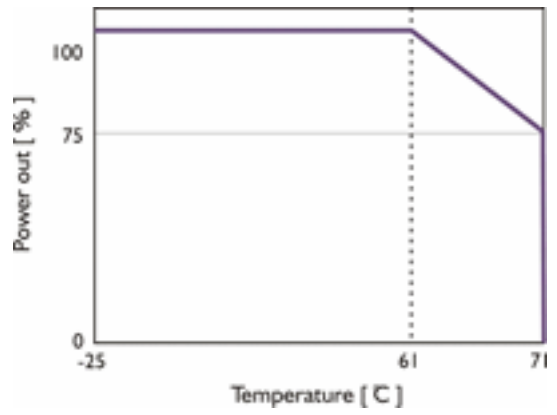
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



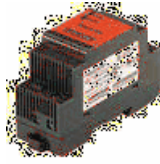
INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm) flexible / solid cable,- Connector can withstand torque at maximum 5 pound-inches.4-5 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PSB2/24/15/1.6



1.6A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 85%
- Compact design with a width of only 35mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	3000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W35 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	811000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	65 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	15 VDC
Output Current	1.6 A
Output Wattage	24 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	82%
Efficiency (typ.)	85%
Standard Packing Qty	1
Cat. No.	PSB2/24/15/1.6

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 35 x 56.5 mm
Packing	0.17kg ; 80 pcs / 15 kg / 1.82 CUFT
Weight	130 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	18 - 20 VDC
Rated over load protection	120-160%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	4.3 W
Rated Input Current -Max. (Vi : 115 VAC)	600 mA
Rated Input Current -Typ. (Vi : 115 VAC)	450 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	11-13.5 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	11-13.5 VDC
Efficiency	85%
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	80 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	1.6 A
Output Voltage	15 VDC
Output Voltage Accuracy (Adjusted before shipment)	+/- 1 %
Output Voltage Trim Range	13.5 - 16.5 VDC

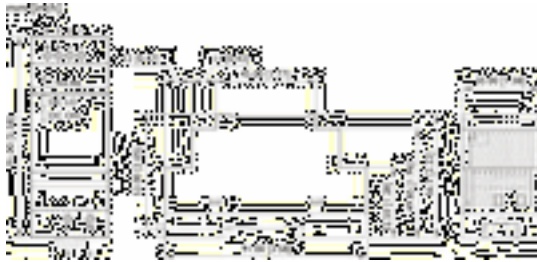
OUTPUT SPECIFICATIONS....

Power Back Immunity	22 VDC
Rated Continuous Loading	1.6A @ 15VDC / 1.4A @ 16.5VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

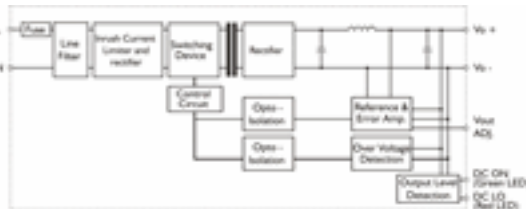
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

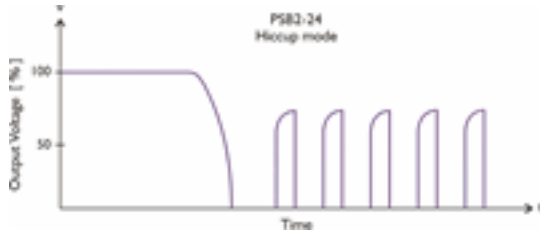
DIMENTISONAL DIAGRAM



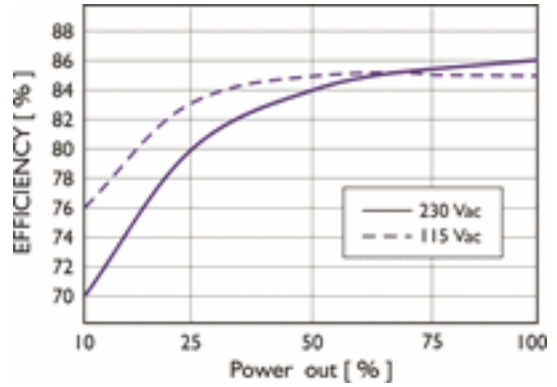
CIRCUIT SCHEMATIC



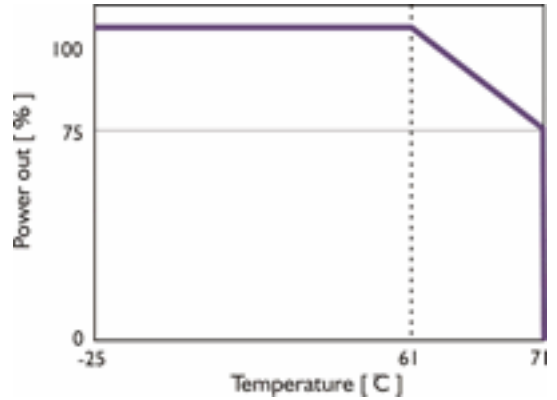
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm²) flexible / solid cable,- Connector can withstand torque at maximum 5 pound-inches.4-5 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PSB3/36/15/2.4



2.4A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 84%
- Compact design with a width of only 53mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	3000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W53 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	710000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	65 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	15 VDC
Output Current	2.4 A
Output Wattage	36 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	81%
Efficiency (typ.)	84%
Standard Packing Qty	1
Cat. No.	PSB3/36/15/2.4

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 53 x 56.5 mm
Packing	0.25kg ; 64 pcs / 17kg / 2.28 CUFT
Weight	190 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	18 - 20 VDC
Rated over load protection	110-150%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	25 A
Max. Inrush Current (Vi: 230 VAC)	50 A
Power Dissipation (Vi: 230 VAC, Io norm)	7.4 W
Rated Input Current -Max. (Vi : 115 VAC)	900 mA
Rated Input Current -Typ. (Vi : 115 VAC)	680 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	11-13.5 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	11-13.5 VDC
Efficiency	84%
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	100 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	2.4 A
Output Voltage	15 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	13.5 - 16.5 VDC
Power Back Immunity	22 VDC

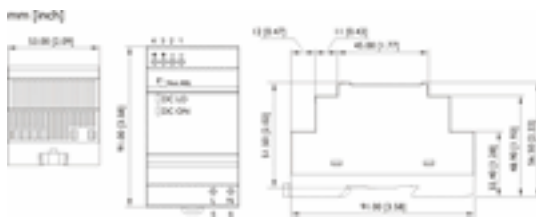
OUTPUT SPECIFICATIONS....

Rated Continuous Loading	2.4A @ 15VDC / 2.1A @ 16.5VDC
Rise Time	50 mV
Rise Time With 3500 μ F	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

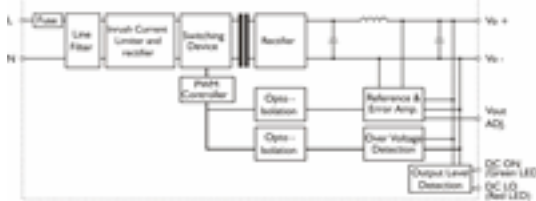
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

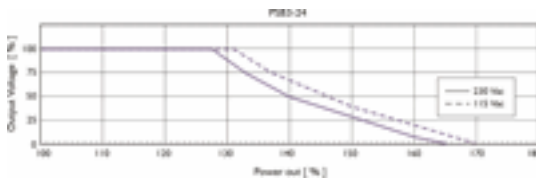
DIMENTIONAL DIAGRAM



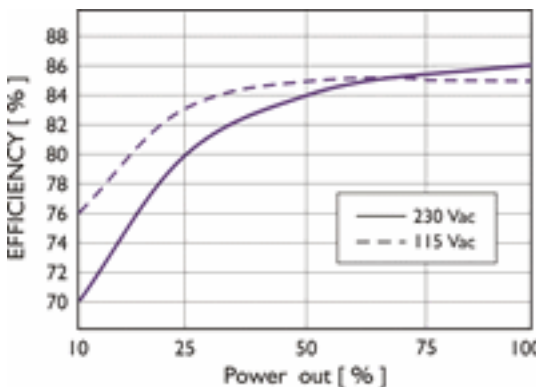
CIRCUIT SCHEMATIC



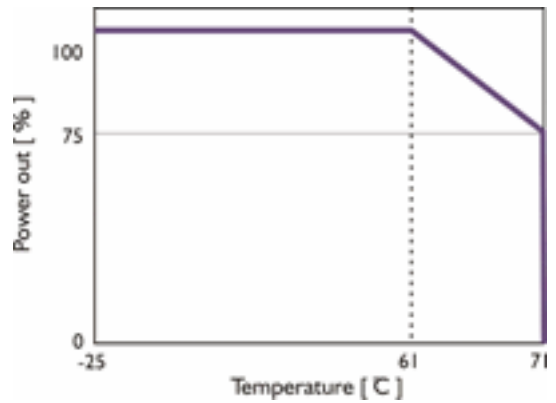
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended Connector size range

CONNECTION DETAILS

AWG24-12 (0.2-2mm²) flexible / solid cable, 7 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 70 C - Connector can withstand torque at maximum 6 pound-inches.

PSB4/60/15/4



4A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 86%
- Compact design with a width of only 71mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	2000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W71 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	582000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	15 VDC
Output Current	4 A
Output Wattage	60 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	83%
Efficiency (typ.)	85%
Standard Packing Qty	1
Cat. No.	PSB4/60/15/4

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 71 x 56.5 mm
Packing	0.31 kg ; 48 pcs / 16kg / 2.28 CUFT
Weight	250 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	18 -20 VDC
Rated over load protection	110-150%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
Power Dissipation (Vi: 230 VAC, Io norm)	10 W
Rated Input Current -Max. (Vi : 115 VAC)	1.5 mA
Rated Input Current -Typ. (Vi : 115 VAC)	1.1 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	11-13.5 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	11-13.5 VDC
Efficiency	86%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	12 msec
Hold Up Time (Vi: 230VAC)	60 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	4 A
Output Voltage	15 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	13.5 - 16.5 VDC

OUTPUT SPECIFICATIONS....

Power Back Immunity	22 VDC
Rated Continuous Loading	4A @ 15VDC / 3.6A @ 16.5VDC
Rise Time	50 mV
Rise Time With 3500 μ F	150 ms
Transient Recovery Time	500 ms
Turn On Time	2 ms
Turn On Time With 3500 μ F	1000 ms
Turn On Time With 3500 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

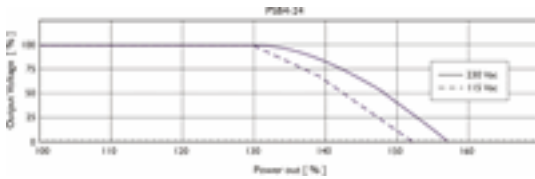
DIMENTIONAL DIAGRAM



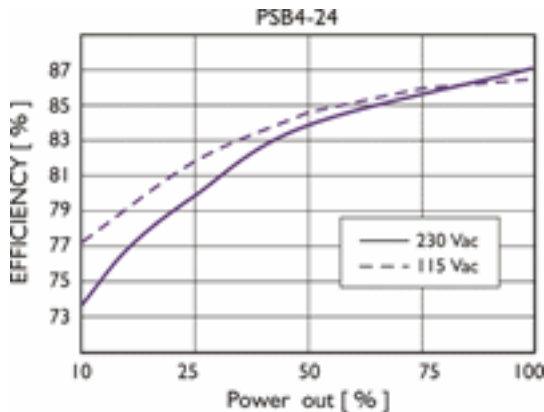
CIRCUIT SCHEMATIC



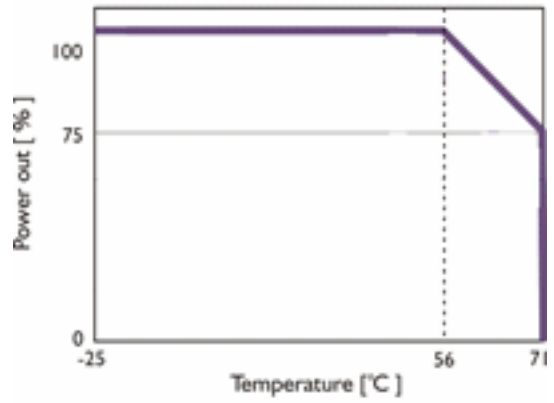
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended Connector size range

CONNECTION DETAILS

AWG24-12 (0.2-2mm²) flexible / solid cable, 7 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 70 C - Connector can withstand torque at maximum 6 pound-inches.

PSB5/75/15/5



5A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 89%
- Compact design with a width of only 90mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	2000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W90x D57 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	564000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	15 VDC
Output Current	5 A
Output Wattage	75 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	83%
Efficiency (typ.)	86%
Standard Packing Qty	1
Cat. No.	PSB5/75/15/5

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 90 x 57 mm
Packing	0.44 kg ; 40 pcs / 19kg / 2.28 CUFT
Weight	380 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	18 - 20 VDC
Rated over load protection	110-150%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
Power Dissipation (Vi: 230 VAC, Io norm)	12.5 W
Rated Input Current -Max. (Vi : 115 VAC)	1.7 mA
Rated Input Current -Typ. (Vi : 115 VAC)	1.35 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	11-13.5 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	11-13.5 VDC
Efficiency	89%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	10 msec
Hold Up Time (Vi: 230VAC)	60 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	5 A
Output Voltage	15 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	13.5 - 16.5 VDC
Power Back Immunity	22 VDC

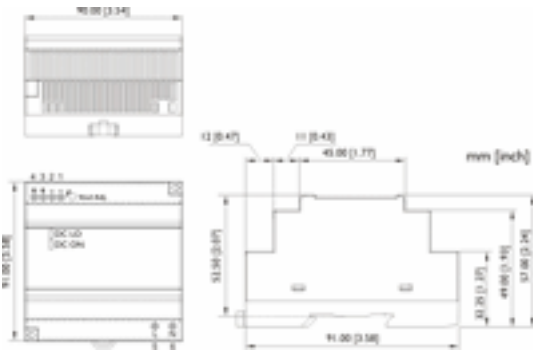
OUTPUT SPECIFICATIONS....

Rated Continuous Loading	5A @ 15VDC / 4.5A @ 16.5VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

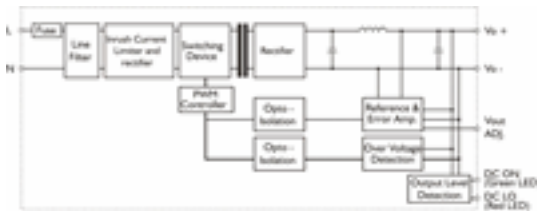
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

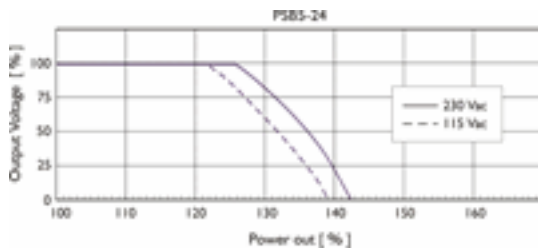
DIMENTSONAL DIAGRAM



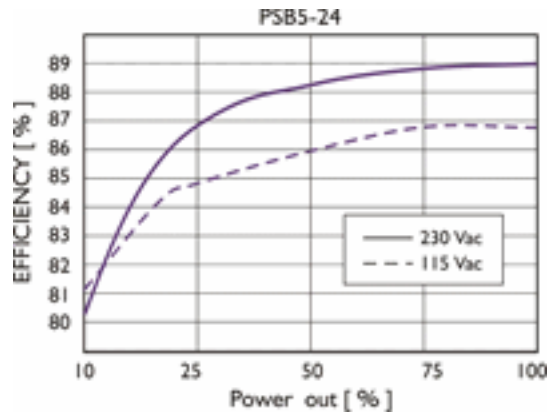
CIRCUIT SCHEMATIC



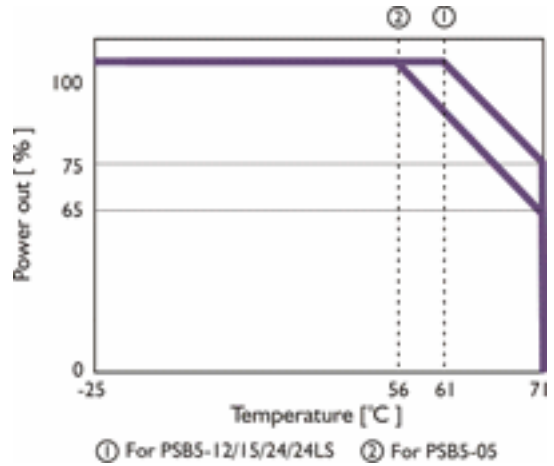
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

AWG24-12 (0.2-2mm²) flexible / solid cable, 7 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 70 C - Connector can withstand torque at maximum 6 pound-inches.

INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended Connector size range

PSB1/10/24/0.42



0.42A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 80%
- Compact design with a width of only 18mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	2000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W18 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	868000 hr
Pollution Degree	2
Relative Humidity Range	20-95 % RH
Switching Frequency (typ.)	90 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	0.42 A
Output Wattage	10 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	78%
Efficiency (typ.)	80%
Standard Packing Qty	1
Cat. No.	PSB1/10/24/0.42

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 18 x 56.5 mm
Packing	0.11kg ; 120 pcs / 14.5kg / 2.28 CUFT
Weight	65 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T1A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	30 - 33 VDC
Rated over load protection	110-165 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	15 A
Max. Inrush Current (Vi: 230 VAC)	30 A
Power Dissipation (Vi: 230 VAC, Io norm)	2.3 W
Rated Input Current -Max. (Vi : 115 VAC)	300 mA
Rated Input Current -Typ. (Vi : 115 VAC)	200 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	19.2-21.6 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	19.2-21.6 VDC
Efficiency	80%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	10 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	0.42 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	+/- 1 %

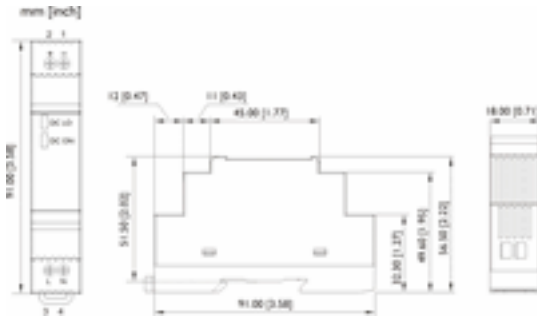
OUTPUT SPECIFICATIONS....

Power Back Immunity	35 VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
1	OUT	-	Negative output terminal
2	OUT	+	Positive output terminal
3	OUT	L	Input terminals (phase conductor, no polarity at DC input)
4	OUT	N	Input terminals (neutral conductor, no polarity at DC input)

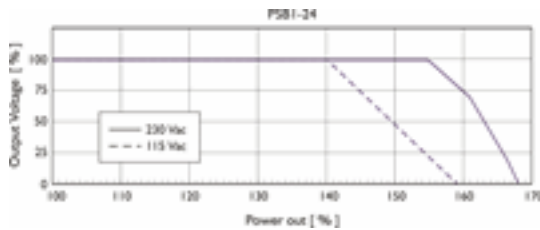
DIMENTISONAL DIAGRAM



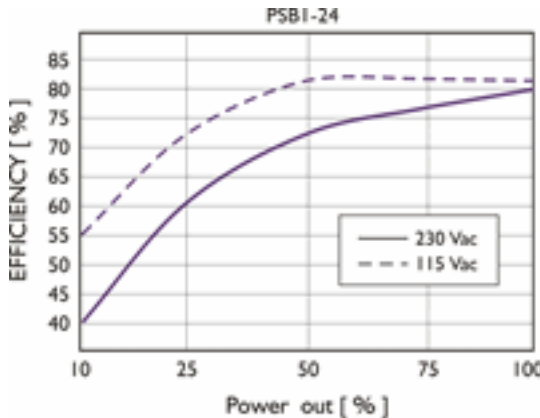
CIRCUIT SCHEMATIC



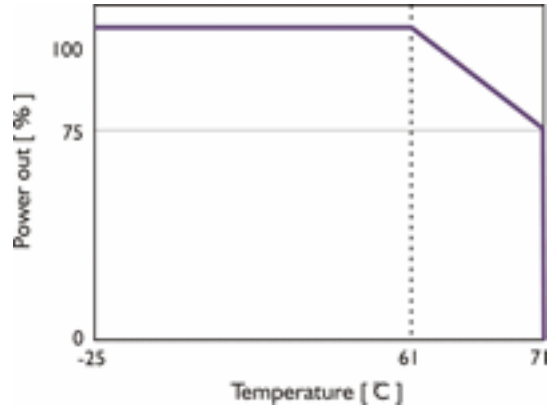
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



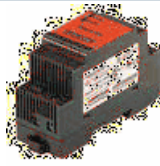
INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm²) flexible / solid cable,- Connector can withstand torque at maximum 5 pound-inches.4-5 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PSB2/24/24/1



1A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 85%
- Compact design with a width of only 35mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	3000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W35 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	832000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	65 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	1 A
Output Wattage	24 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	83%
Efficiency (typ.)	85%
Standard Packing Qty	1
Cat. No.	PSB2/24/24/1

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 35 x 56.5 mm
Packing	0.17kg ; 80 pcs / 15 kg / 1.82 CUFT
Weight	130 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	30 - 33 VDC
Rated over load protection	120-160%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	4 W
Rated Input Current -Max. (Vi : 115 VAC)	600 mA
Rated Input Current -Typ. (Vi : 115 VAC)	450 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	19.2-21.6 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	19.2-21.6 VDC
Efficiency	85%
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	80 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	1 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	+/- 1 %
Output Voltage Trim Range	24 - 28 VDC

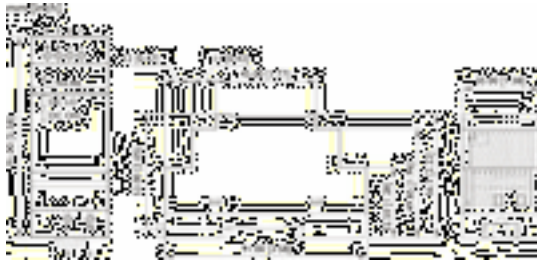
OUTPUT SPECIFICATIONS....

Power Back Immunity	35 VDC
Rated Continuous Loading	1A @ 24VDC / 0.85A @ 28VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

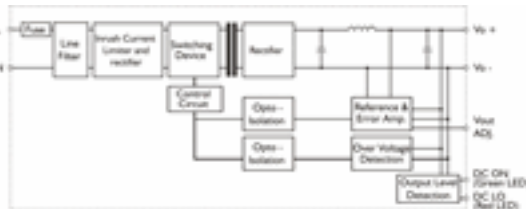
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

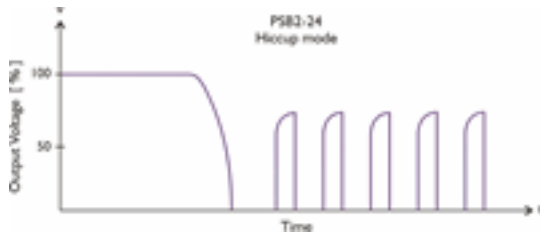
DIMENTISONAL DIAGRAM



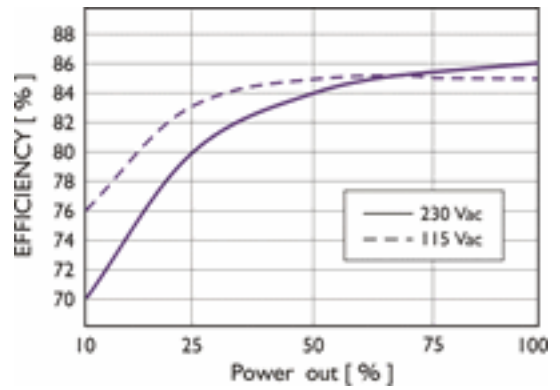
CIRCUIT SCHEMATIC



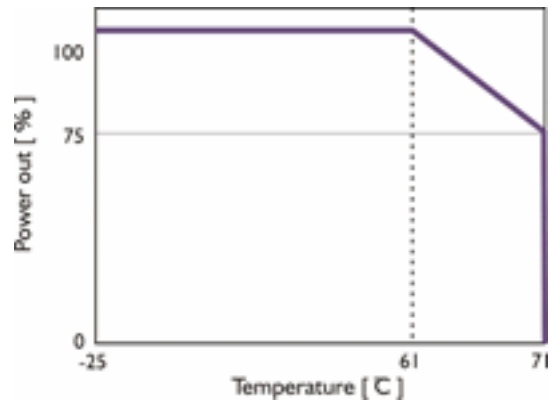
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm²) flexible / solid cable,- Connector can withstand torque at maximum 5 pound-inches.4-5 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PSB3/36/24/1.5



1.5A Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 84%
- Compact design with a width of only 53mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	3000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W53 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	732000 hr
Pollution Degree	2
Relative Humidity Range	20-95 % RH
Switching Frequency (typ.)	65 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	1.5 A
Output Wattage	36 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	81%
Efficiency (typ.)	84%
Standard Packing Qty	1
Cat. No.	PSB3/36/24/1.5

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 53 x 56.5 mm
Packing	0.25kg ; 64 pcs / 17kg / 2.28 CUFT
Weight	190 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	30 - 33 VDC
Rated over load protection	110-150%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	25 A
Max. Inrush Current (Vi: 230 VAC)	50 A
Power Dissipation (Vi: 230 VAC, Io norm)	7.1 W
Rated Input Current -Max. (Vi : 115 VAC)	900 mA
Rated Input Current -Typ. (Vi : 115 VAC)	680 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	19.2-21.6 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	19.2-21.6 VDC
Efficiency	84%
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	100 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	1.5 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	24 - 28 VDC
Power Back Immunity	35 VDC

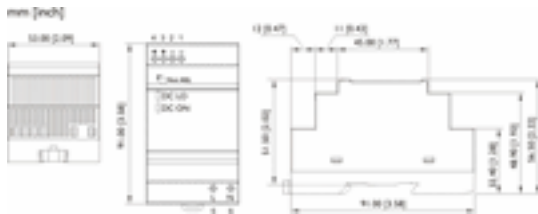
OUTPUT SPECIFICATIONS....

Rated Continuous Loading	1.5A @ 24VDC / 1.25A @ 28VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

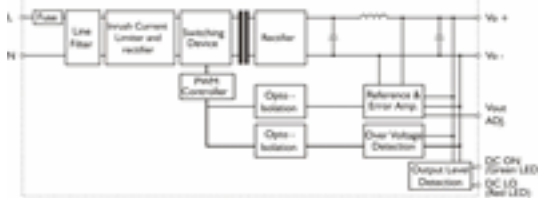
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

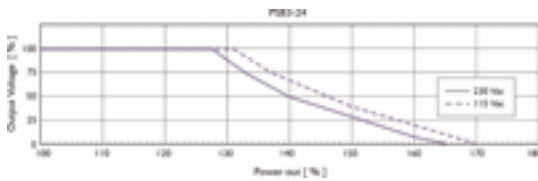
DIMENTIONAL DIAGRAM



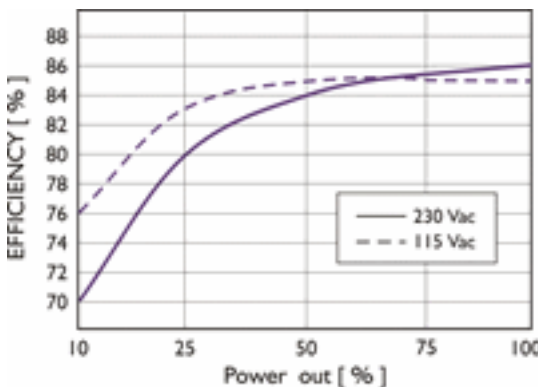
CIRCUIT SCHEMATIC



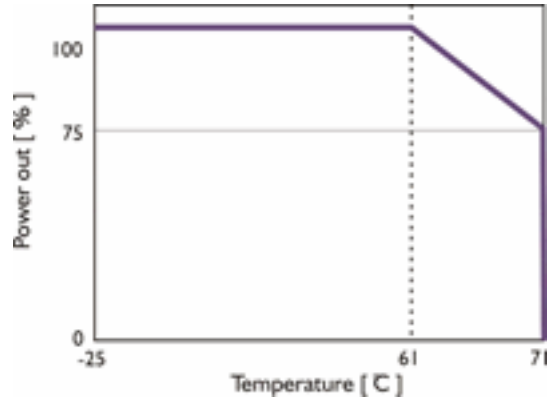
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended Connector size range

CONNECTION DETAILS

AWG24-12 (0.2-2mm²) flexible / solid cable, 7 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 70 C - Connector can withstand torque at maximum 6 pound-inches.

PSB4/60/24/2.5



2.5A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 86%
- Compact design with a width of only 71mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	2000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W71 x D56.5 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	608000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	2.5 A
Output Wattage	60 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	84%
Efficiency (typ.)	86%
Standard Packing Qty	1
Cat. No.	PSB4/60/24/2.5

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 71 x 56.5 mm
Packing	0.31 kg ; 48 pcs / 16kg / 2.28 CUFT
Weight	250 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	30 - 33 VDC
Rated over load protection	110-150%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
Power Dissipation (Vi: 230 VAC, Io norm)	9.9 W
Rated Input Current -Max. (Vi : 115 VAC)	1.5 mA
Rated Input Current -Typ. (Vi : 115 VAC)	1.1 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	19.2-21.6 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	19.2-21.6 VDC
Efficiency	86%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	12 msec
Hold Up Time (Vi: 230VAC)	60 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	2.5 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	24 - 28 VDC

OUTPUT SPECIFICATIONS....

Power Back Immunity	35 VDC
Rated Continuous Loading	2.5A @ 24VDC / 2.1A @ 28VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

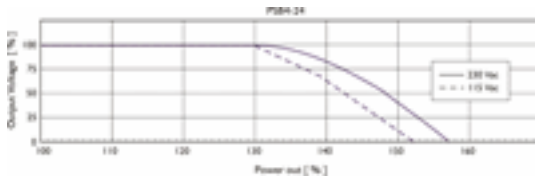
DIMENTIONAL DIAGRAM



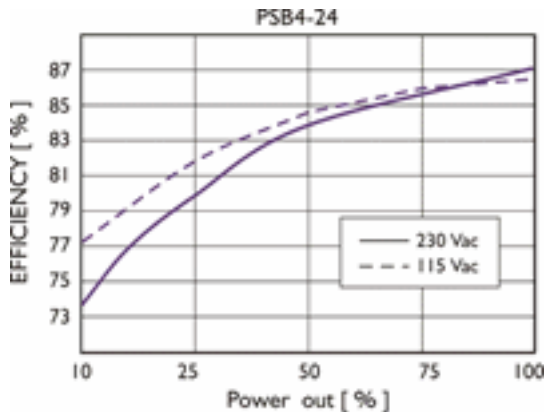
CIRCUIT SCHEMATIC



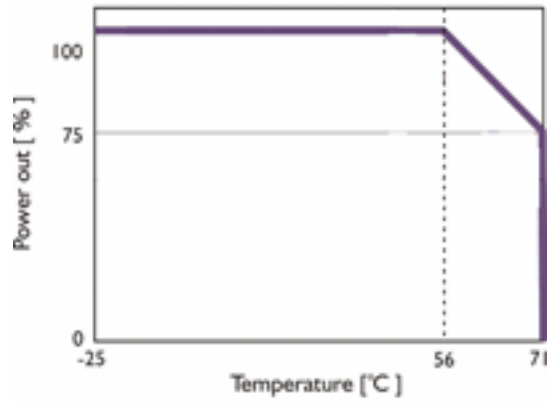
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

AWG24-12 (0.2-2mm²) flexible / solid cable, 7 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 70 C - Connector can withstand torque at maximum 6 pound-inches.

INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended Connector size range

PSB5/100/24/3.8-L



4.2A ,Single Phase Din Rail Mountable Step Type Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 89%
- Compact design with a width of only 90mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	2000 m
Ambient Temperature Range (Operational at Vi norm)	-25 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L91 x W90x D57 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	525000 hr
Pollution Degree	2
Relative Humidity Range	20 -95 % RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	4.2 A
Output Wattage	100.8 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	86%
Efficiency (typ.)	89%
Standard Packing Qty	1
Cat. No.	PSB5/100/24/4.2

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	91 x 90 x 57 mm
Packing	0.44 kg / 40 pcs / 19kg / 2.28 CUFT
Weight	380 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold forward
Over voltage protection	30- 33 VDC
Rated over load protection	110-150%

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
Power Dissipation (Vi: 230 VAC, Io norm)	12.2 W
Rated Input Current -Max. (Vi : 115 VAC)	2.2 mA
Rated Input Current -Typ. (Vi : 115 VAC)	1.8 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	19.2-21.6 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	19.2-21.6 VDC
Efficiency	89%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	10 msec
Hold Up Time (Vi: 230VAC)	60 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	4.2 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	24 - 28 VDC

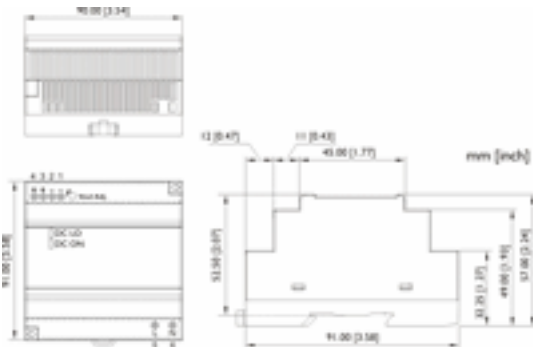
OUTPUT SPECIFICATIONS....

Power Back Immunity	35 VDC
Rated Continuous Loading	4.2A @ 24VDC / 3.6A @ 28VDC
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

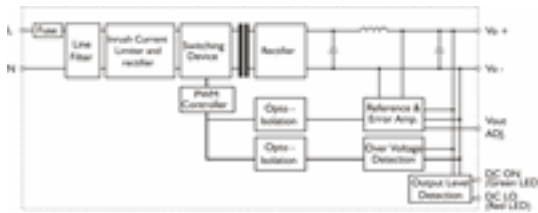
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	-	Negative output terminal
2	OUT	-	Negative output terminal
3	OUT	+	Positive output terminal
4	OUT	+	Positive output terminal
5	IN	L	Input terminals (phase conductor, no polarity at DC input)
6	IN	N	Input terminals (neutral conductor, no polarity at DC input)

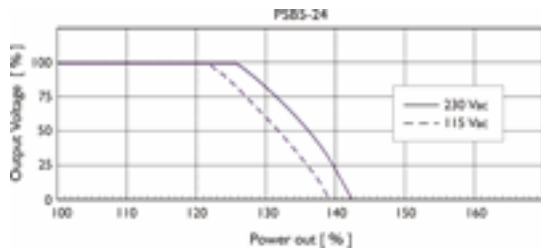
DIMENTISONAL DIAGRAM



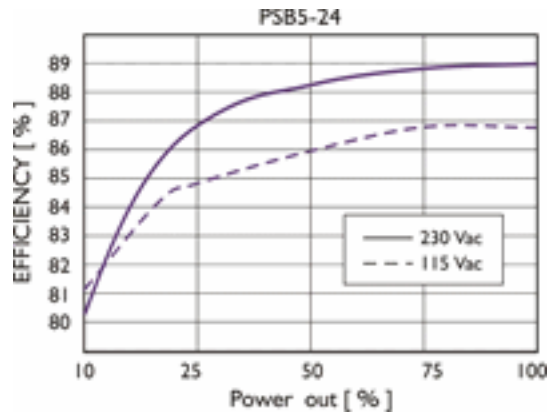
CIRCUIT SCHEMATIC



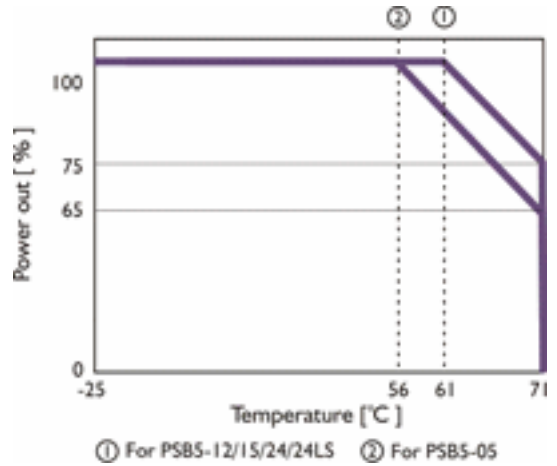
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended Connector size range

CONNECTION DETAILS

AWG24-12 (0.2-2mm²) flexible / solid cable, 7 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 70 C - Connector can withstand torque at maximum 6 pound-inches.

MH2.5(FG)



Mounting Handle

The Mounting Handle is used for easy and quick mounting of 10 Terminal Blocks on a DIN Rail. The Terminal Blocks can be lifted from the packaging box with the help of this tool.

PRODUCT SPECIFICATION

Material Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
MH2.5(FG)	Mounting Handle suitable for CTS2.5UN / CTS2.5UNCR Terminal Blocks	1

MH4



Mounting Handle

The Mounting Handle is used for easy and quick mounting of 10 Terminal Blocks on a DIN Rail. The Terminal Blocks can be lifted from the packaging box with the help of this tool.

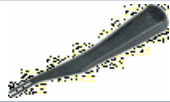
PRODUCT SPECIFICATION

Material Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
MH4	Mounting Handle suitable for CTS4UN / CTS4UNCR Terminal Blocks	1

SCA2.5



Actuator for actuating the Spring Clamp

The shoring link of CSCP2.5T / CSCP2.5T2 can be easily inserted by using the Spring Clamp Actuator Tool.

PRODUCT SPECIFICATION

Material Polyamide

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
SCA2.5	Actuator for actuating the Spring Clamp	1

SUITABLE FOR

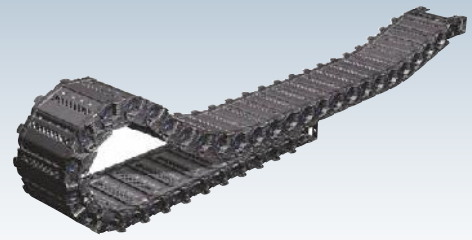
CSCP2.5T	2.5 sq.mm Spring Clamp Panel Mount Terminal Blocks
CSCP2.5T2	2.5 sq.mm Spring Clamp Panel Mount Terminal Blocks with multiple connection points.



Technical Details :	
Chain Material	Glass fibre reinforced Polyamide, UL 94-HB
Noise	40 dB (DIN EN 61672-1)
Applications	Gantry Robot, Machine Center, Textile Machine, Welding Machine, Wood Work Machine and Fabric Machine having long stroke length
Coefficient of Friction	0.02 - 0.07 μ
Speed	10m / sec
Temperature Range	-30°C to +130°C Continuous
Vertical Installation Lengths	Curve above = max. 6 m Curve below = max. 100 m Side mounted, Unsupported = max. 2.5 m
Approvals	

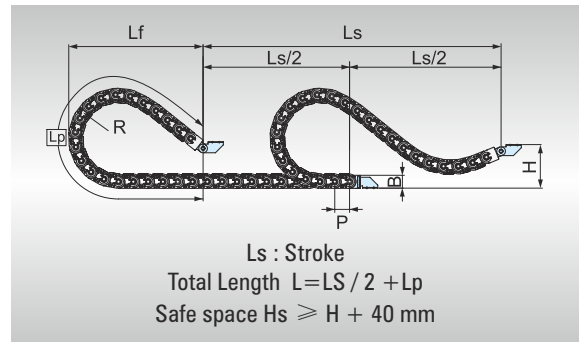
SHIFT CABLE DRAG CHAINS - ERS TYPE

ST150ERS (ENCLOSED SLIDING WITH ROLLER SKID)



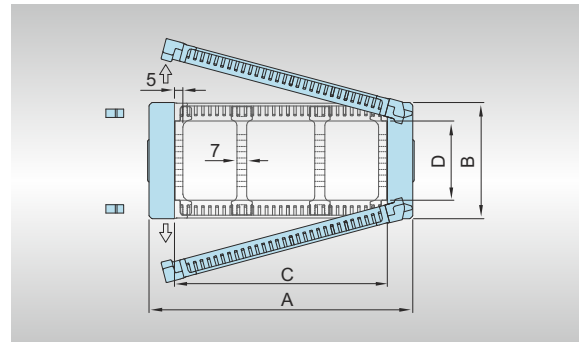
ST150ERS

Bending Radius R	305	405	505	605
Lp	2272	3161	4050	4940
Lf	985	1335	1685	2035
H	400	400	400	400



Chain Cross Section

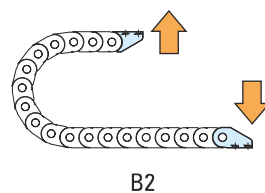
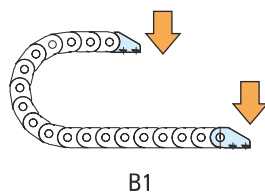
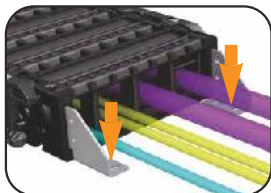
Cat. No.	A	B	C	D	Bending Radius
ST150ERS.200	287	145	200	110	
ST150ERS.250	337	145	250	110	
ST150ERS.300	387	145	300	110	305,405,
ST150ERS.350	437	145	350	110	505,605
ST150ERS.400	487	145	400	110	



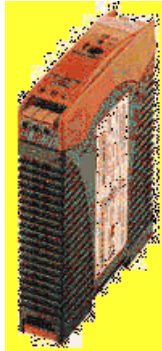
End Bracket in Steel

Cat. No.	End Bracket Type	Suitable for Chain Size
ST-SEB150E/B1-B2	Free B1/B2	ST150ERS

End Bracket



PSS5/5/1



1A, Single Phase Din Rail Mountable Switching Power Supplies

Full Range Input selection from 90 to 265 VAC
Typical efficiency of 69%
Compact Design with a width of only 22.5 mm
Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg cel
Ambient Temperature Range (Storage)	-25 to +85 deg cel
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% / °C
Dimension	Spring terminal type L90 x W22.5 x D114
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	801000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 % RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	± 0.03 % per deg.cel

ORDERING INFORMATION

Output Voltage	5 V
Output Current	1 A
Output Wattage	5 W
Input Voltage Range	90-264 VAC
Efficiency (min.)	67%
Efficiency (typ.)	69%
Standard Packing Qty	1
Cat. No.	PSS5/5/1

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.21 kg ; 56 pcs / 12.5 kg / 2.16 CUFT
Weight	120 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL / cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A

INPUT SPECIFICATIONS....

Max. Inrush Current (Vi: 230 VAC)	18 A
Power Dissipation (Vi: 230 VAC, Io norm)	2.2 W
Rated Input Current -Max. (Vi : 230 VAC)	200 mA
Rated Input Current -Typ. (Vi : 115 VAC)	115 mA
Rated Input Current -Typ. (Vi : 230 VAC)	80 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

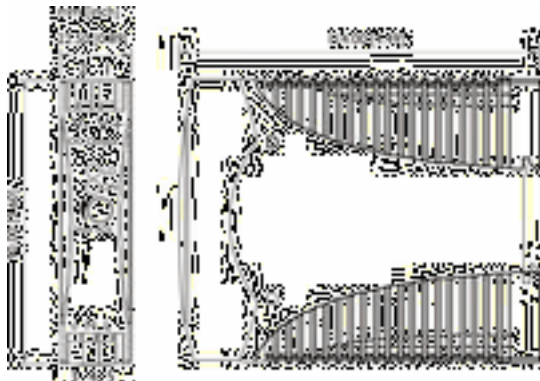
OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	3.5 to 4.5 VDC
DC ON Indicator Threshold at start up (Green LED)	3.5 to 4.5 VDC
Efficiency	69%,
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	30 msec
Hold Up Time (Vi: 230VAC)	130 msec
Line Regulation	± 1%
Load Regulation	± 2%
Minimum Load	0%
Output Current	1 A
Output Voltage	5 V
Output Voltage Accuracy (Adjusted before shipment)	0 to +1%
Output Voltage Trim Range	-10 to +15 %
Power Back Immunity	7.5 VDC
Rated Continuous Loading	1.0 A @ 5Vdc / 0.85 A @ 5.75 Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 msec
Turn On Time With 3500 µF	1500 msec

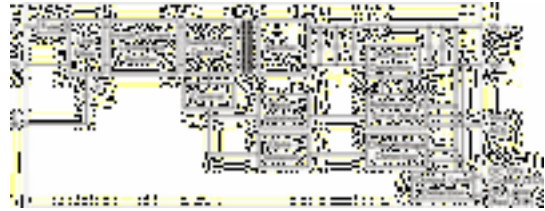
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emissions
4	IN	N	Input terminals (neutral conductor, no polarity at DC input)
5	IN	L	Input terminals (phase conductor, no polarity at DC input)

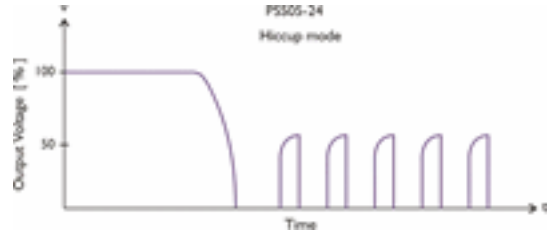
DIMENTISONAL DIAGRAM



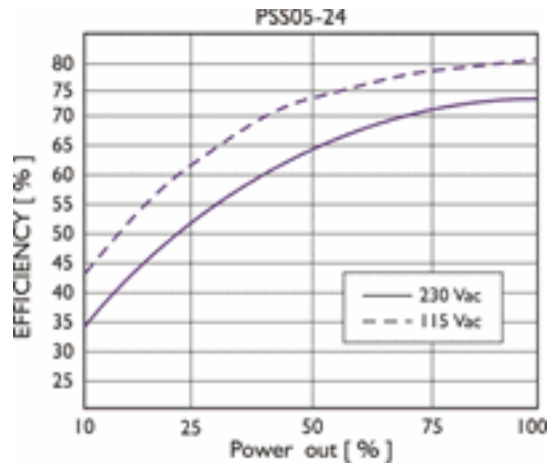
CIRCUIT SCHEMATIC



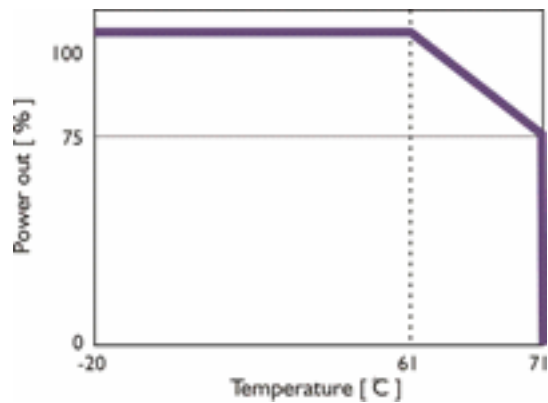
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



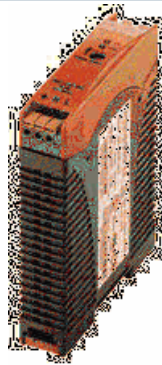
INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends. Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: AWG24-14 (0.2-2mm) flexible / solid cable, 10 m/m stripping at cable end recommends Use copper conductors only, 60 / 75 C

PSS10/5/2



2A,10W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 76%
- Compact design with a width of only 22.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	801000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	5 VDC
Output Current	2000 mA
Output Wattage	10 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	71%
Efficiency (typ.)	73%
Standard Packing Qty	1
Cat. No.	PSS10/5/2

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.21 kg ; 56 pcs / 12.5 kg / 2.16 CUFT
Weight	120 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 145 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A

INPUT SPECIFICATIONS....

Power Dissipation (Vi: 230 VAC, Io norm)	4.0 W
Rated Input Current -Typ. (Vi : 115 VAC)	200 mA
Rated Input Current -Typ. (Vi : 230 VAC)	130 mA
Rated Input Current -Typ. (Vi : 90 VAC)	300 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

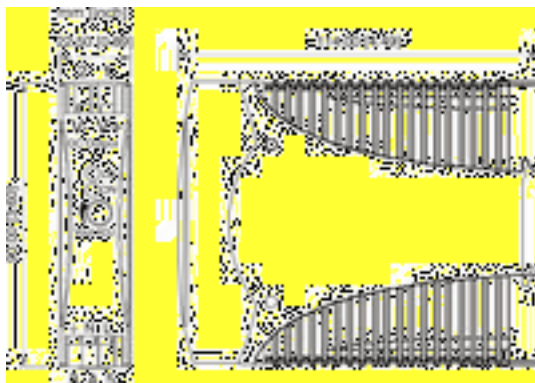
OUTPUT SPECIFICATIONS

Capacitor Load	3500 μ F
DC LOW Indicator Threshold after start up (Red LED)	3.5 to 4.5 VDC
DC ON Indicator Threshold at start up (Green LED)	3.5 to 4.5 VDC
Efficiency	73%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	100 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	2000 mA
Output Voltage	5 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +15 %
Power Back Immunity	7.5 VDC
Rated Continuous Loading	2A @5Vdc / 1.7A @5.75Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal.
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emissions
4	IN	N	Input terminals (neutral conductor, no polarity at DC input)
5	IN	L	Input terminals (phase conductor, no polarity at DC input)

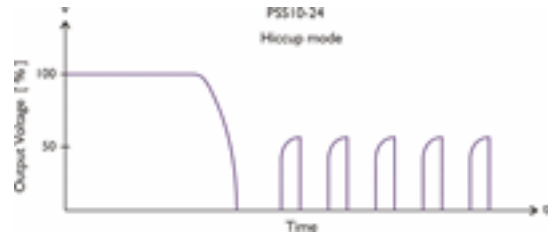
DIMENTISONAL DIAGRAM



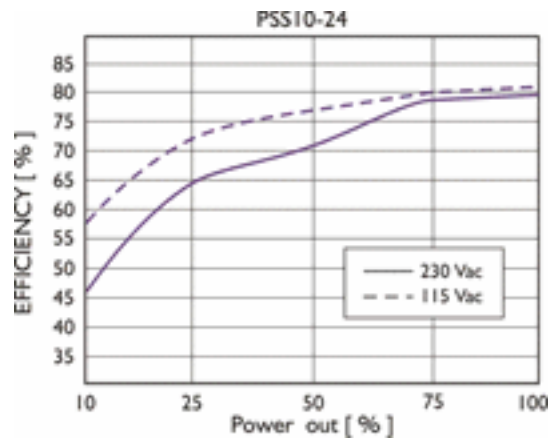
CIRCUIT SCHEMATIC



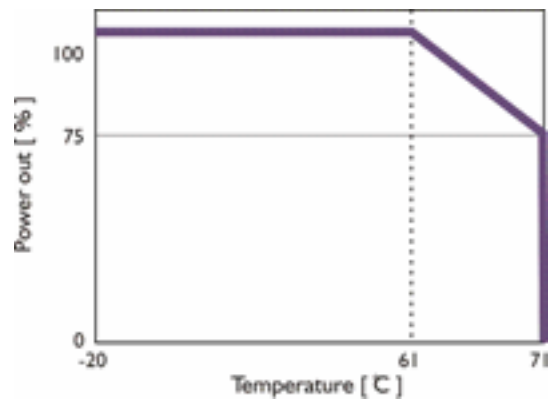
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



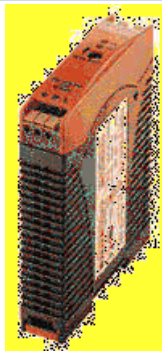
CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

PSS15/5/3



3A,15W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 75%
- Compact design with a width of only 22.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	795000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	5 VDC
Output Current	3000 mA
Output Wattage	15 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	73%
Efficiency (typ.)	75%
Standard Packing Qty	1
Cat. No.	PSS15/5/3

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.23 kg ; 56 pcs / 14 kg / 2.16 CUFT
Weight	150 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3, EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A
Power Dissipation (Vi: 230 VAC, Io norm)	5.0 W

INPUT SPECIFICATIONS....

Rated Input Current -Typ. (Vi : 115 VAC)	335 mA
Rated Input Current -Typ. (Vi : 230 VAC)	210 mA
Rated Input Current -Typ. (Vi : 90 VAC)	500 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

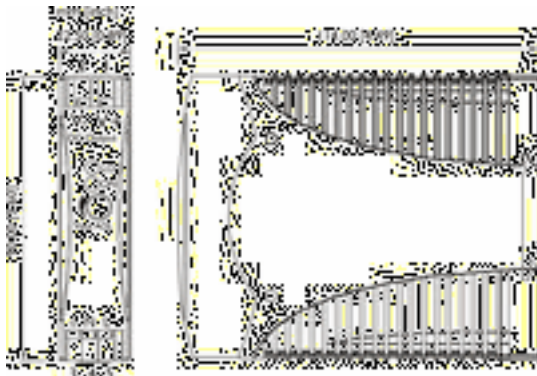
OUTPUT SPECIFICATIONS

Capacitor Load	7000 μ F
DC LOW Indicator Threshold after start up (Red LED)	3.5 to 4.5 VDC
DC ON Indicator Threshold at start up (Green LED)	3.5 to 4.5 VDC
Efficiency	77%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	75 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	3000 mA
Output Voltage	5 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +15 VDC
Power Back Immunity	7.5 VDC
Rated Continuous Loading	3A @5Vdc / 2.6A @5.75Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

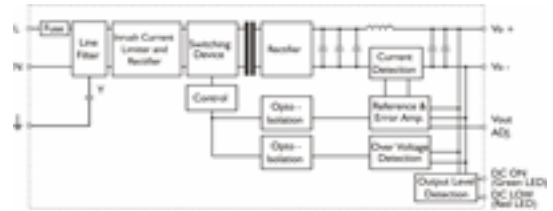
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emissions
4	IN	N	Input terminals (neutral conductor, no polarity at DC input)
5	IN	L	Input terminals (phase conductor, no polarity at DC input)

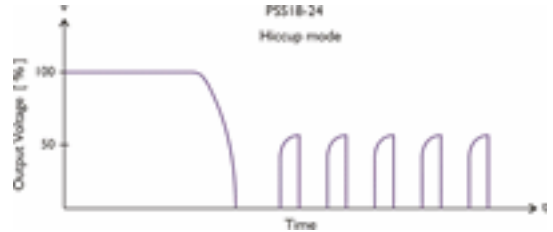
DIMENTISONAL DIAGRAM



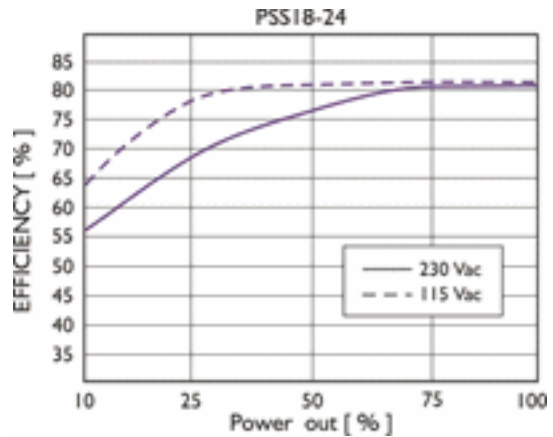
CIRCUIT SCHEMATIC



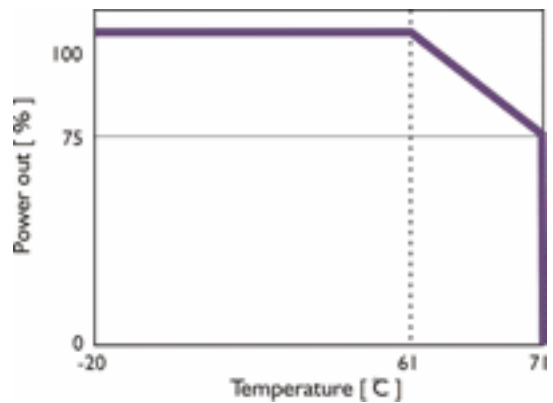
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Spring terminal: AWG24-14 (0.2-2mm²) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

PSS30/5/6



PSS30/5/6,30W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 85 to 264VAC
- Typical efficiency of 86%
- Compact design with a width of only 40.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W40.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	551000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	80-135 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	5 VDC
Output Current	6000 mA
Output Wattage	30 W
Input Voltage Range	85 - 264 VAC
Efficiency (min.)	77%
Efficiency (typ.)	79%
Standard Packing Qty	1
Cat. No.	PSS30/5/6

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 40.5 X 114 mm
Packing	0.35 kg ; 40 pcs / 15 kg / 2.16 CUFT
Weight	270 G

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 5V w/o Class 2) Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	6.0 to 6.8 VDC
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	85 to 264
DC Input Voltage Range	90 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	8.5 W
Rated Input Current -Max. (Vi : 115 VAC)	800 mA
Rated Input Current -Typ. (Vi : 115 VAC)	560 mA
Rated Input Current -Typ. (Vi : 230 VAC)	330 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 μ F
DC ON Indicator Threshold at start up (Green LED)	3.5 to 4.5 VDC
Efficiency	86%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation	+/- 0.5 %
Minimum Load	0 %
Output Current	6000 mA
Output Voltage	5 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	5 to 5.5 VDC
Power Back Immunity	7.5 VDC
Rated Continuous Loading	6A @5Vdc / 5.4A @5.5Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	2000 msec

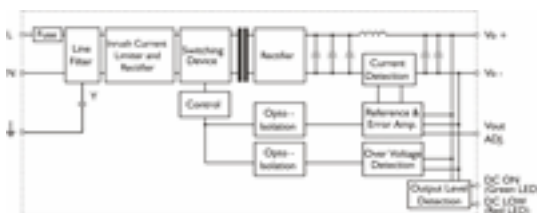
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	DC OK output for relay (not connect except 24V model)
2	OUT	+	Positive output terminal
3	OUT	+	Positive output terminal
4	OUT	-	Negative output terminal
5	OUT	-	Negative output terminal
6	IN	Ground	Ground this terminal to minimize high frequency emissions
7	IN	N	Input terminals (neutral conductor, no polarity at DC input)
8	IN	L	Input terminals (phase conductor, no polarity at DC input)

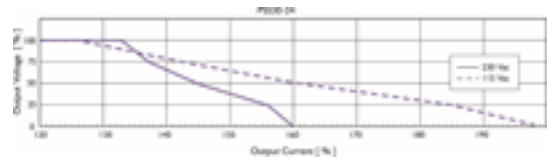
DIMENTISONAL DIAGRAM



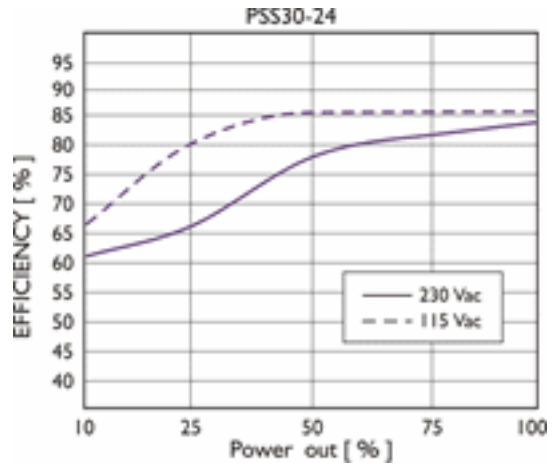
CIRCUIT SCHEMATIC



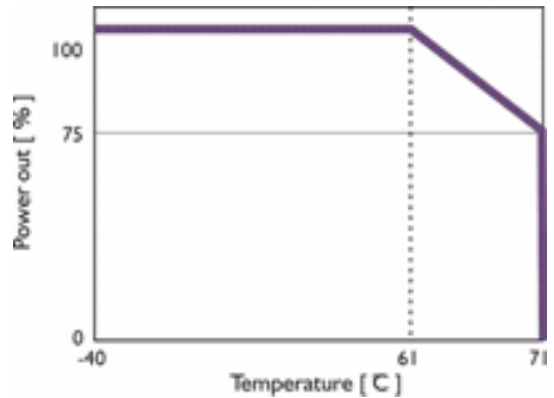
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



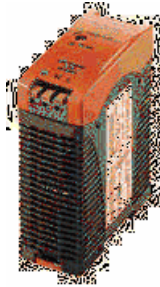
INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends. Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm²) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PSS50/5/10



10A,50W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 85 to 264VAC
- Typical efficiency of 89%
- Compact design with a width of only 40.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% / °C
Dimension	Spring Terminal Type , L90 X W40.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	498000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55-90 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	5 VDC
Output Current	10000 mA
Output Wattage	50 W
Input Voltage Range	85 - 264 VAC
Efficiency (min.)	77%
Efficiency (typ.)	79%
Standard Packing Qty	1
Cat. No.	PSS50/05/10

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 40.5 X 114 mm
Packing	0.41kg ; 40 pcs / 17.5 kg / 2.16 CUFT
Weight	340 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3, EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 5V,12V w/o Class 2) Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	6.0 to 6.8 VDC
Rated over load protection	110 to 150 %

INPUT SPECIFICATIONS

AC Input Voltage Range	85 to 264
DC Input Voltage Range	90 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	12.5 W
Rated Input Current -Max. (Vi : 115 VAC)	1500 mA
Rated Input Current -Typ. (Vi : 115 VAC)	1060 mA
Rated Input Current -Typ. (Vi : 230 VAC)	590 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
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OUTPUT SPECIFICATIONS....

DC ON Indicator Threshold at start up (Green LED)	3.5 to 4.5 VDC
Efficiency	89%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation	+/- 0.5 %
Minimum Load	0 %
Output Current	10000 mA
Output Voltage	5 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	5 to 5.5 VDC
Power Back Immunity	7.5 VDC
Rated Continuous Loading	10A @5Vdc / 9.0A @5.5Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

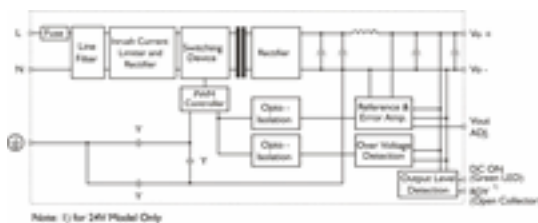
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	DC OK output for relay (not connect except 24V model)
2	OUT	+	Positive output terminal
3	OUT	+	Positive output terminal
4	OUT	-	Negative output terminal
5	OUT	-	Negative output terminal
6	IN	Ground	Ground this terminal to minimize high frequency emissions
7	IN	N	Input terminals (neutral conductor, no polarity at DC input)
8	IN	L	Input terminals (phase conductor, no polarity at DC input)

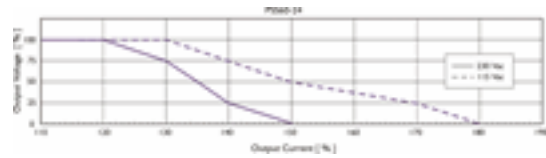
DIMENTIONAL DIAGRAM



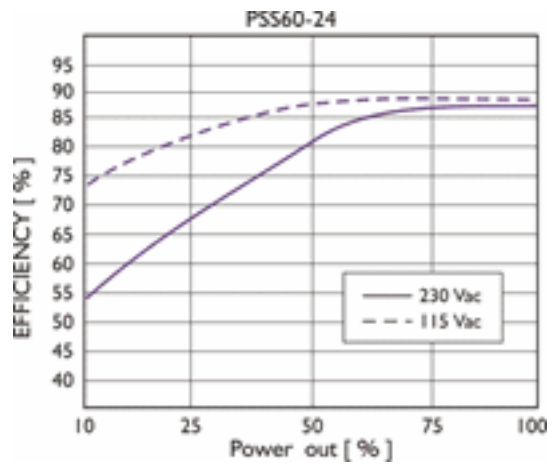
CIRCUIT SCHEMATIC



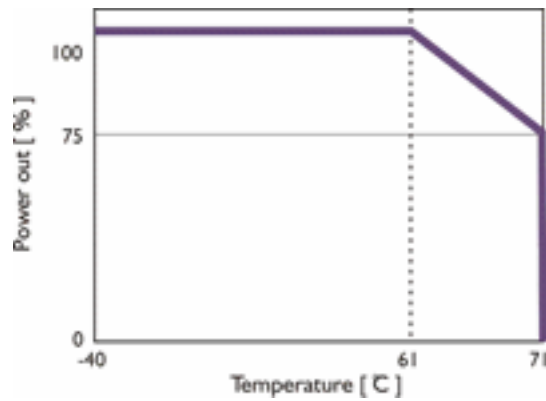
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



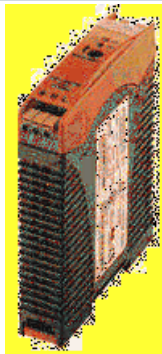
INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends. Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: AWG24-14 (0.2-2mm²) flexible / solid cable, 10 m/m stripping at cable end recommends Use copper conductors only, 60 / 75 C

PSS5/12/0.42



0.42A ,5W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 to 265VAC
- Typical efficiency of 72%
- Compact design with a width of only 22.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	805000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	420 mA
Output Wattage	5 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	70%
Efficiency (typ.)	72%
Standard Packing Qty	1
Cat. No.	PSS5/12/0.42

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.21 kg ; 56 pcs / 12.5 kg / 2.16 CUFT
Weight	120 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A
Power Dissipation (Vi: 230 VAC, Io norm)	1.9 W

INPUT SPECIFICATIONS....

Rated Input Current -Max. (Vi : 115 VAC)	200 mA
Rated Input Current -Typ. (Vi : 115 VAC)	115 mA
Rated Input Current -Typ. (Vi : 230 VAC)	80 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

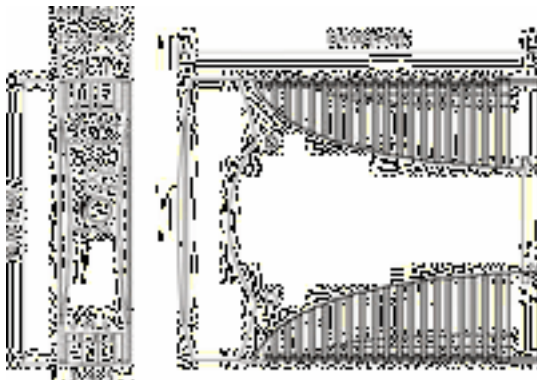
OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	9.0 to 10.8 VDC
DC ON Indicator Threshold at start up (Green LED)	9.0 to 10.8 VDC
Efficiency	72%
Fall Time	150 msec
Hold Up Time (Vi : 115VAC)	30 msec
Hold Up Time (Vi : 230VAC)	130 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	420 mA
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +15 %
Power Back Immunity	18 VDC
Rated Continuous Loading	0.42A @12Vdc / 0.36A @13.8Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

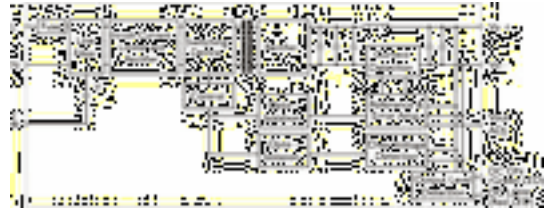
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emissions
4	IN	N	Input terminals (neutral conductor, no polarity at DC input)
5	IN	L	Input terminals (phase conductor, no polarity at DC input)

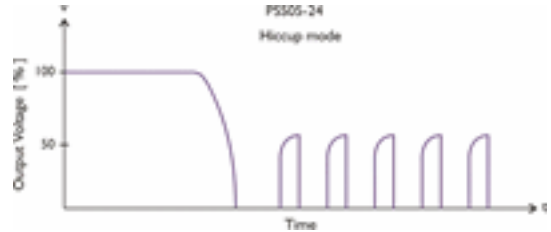
DIMENTISONAL DIAGRAM



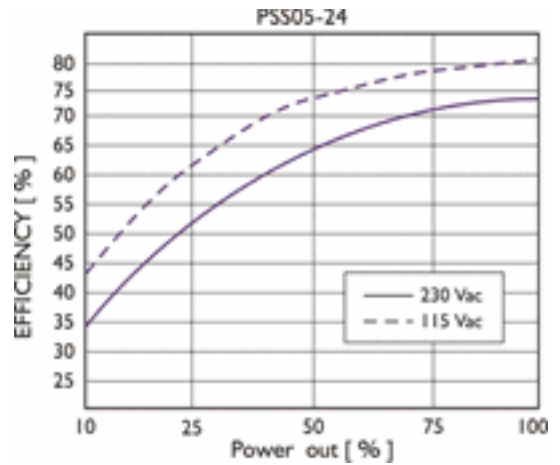
CIRCUIT SCHEMATIC



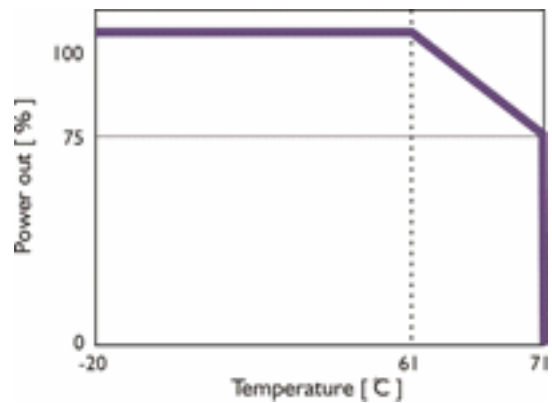
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



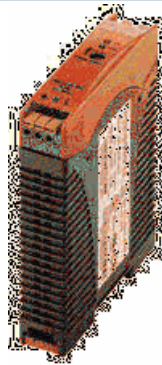
CONNECTION DETAILS

Spring terminal: AWG24-14 (0.2-2mm) flexible / solid cable, 10 m/m stripping at cable end recommends Use copper conductors only, 60 / 75 C

INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends. Use Cu conductors only, 60/75 deg.C

PSS10/12/0.84



0.84A,10W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 76%
- Compact design with a width of only 22.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	803000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	840 mA
Output Wattage	10 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	73%
Efficiency (typ.)	75%
Standard Packing Qty	1
Cat. No.	PSS10/12/0.84

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.21 kg ; 56 pcs / 12.5 kg / 2.16 CUFT
Weight	120 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 145 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A

INPUT SPECIFICATIONS....

Power Dissipation (Vi: 230 VAC, Io norm)	3.4 W
Rated Input Current -Typ. (Vi : 115 VAC)	200 mA
Rated Input Current -Typ. (Vi : 230 VAC)	130 mA
Rated Input Current -Typ. (Vi : 90 VAC)	300 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

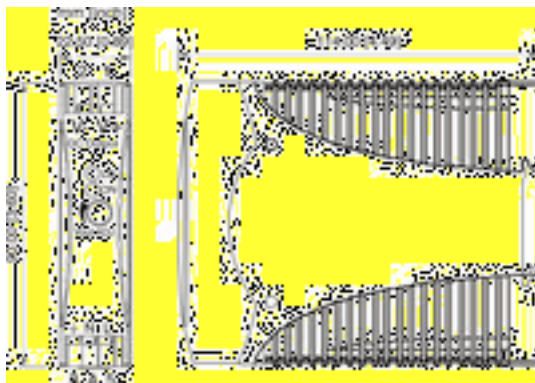
OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	9.0 to 10.8 VDC
DC ON Indicator Threshold at start up (Green LED)	9.0 to 10.8 VDC
Efficiency	76%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	100 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	840 mA
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +15 %
Power Back Immunity	18 VDC
Rated Continuous Loading	0.84A @12Vdc / 0.72A @13.8Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emissions
4	IN	N	Input terminals (neutral conductor, no polarity at DC input)
5	IN	L	Input terminals (phase conductor, no polarity at DC input)

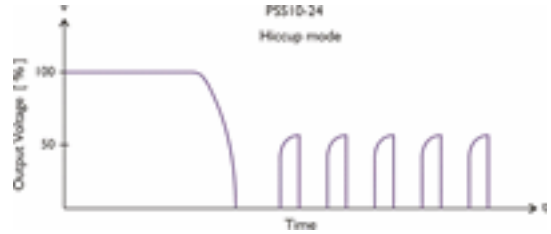
DIMENTISONAL DIAGRAM



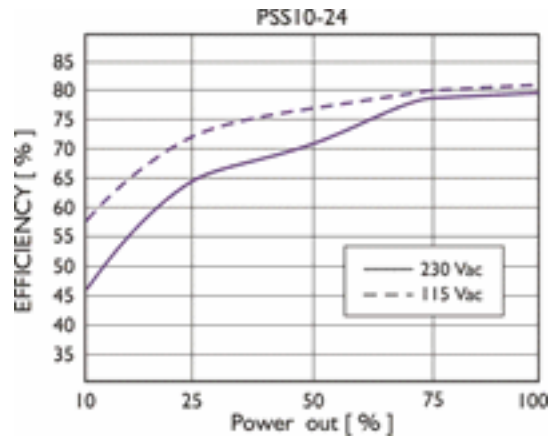
CIRCUIT SCHEMATIC



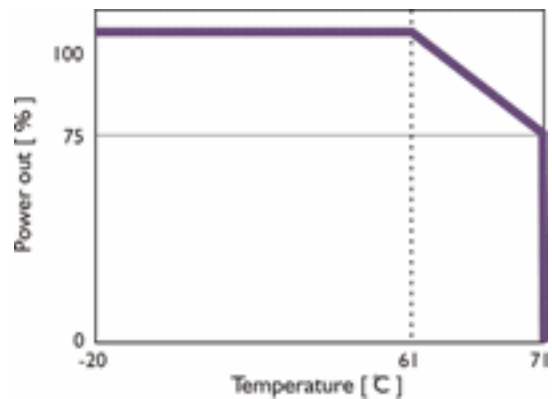
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



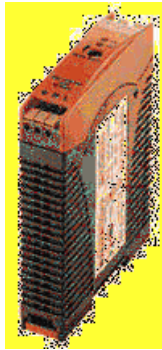
INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PSS18/12/1.5



1.5A,18W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 77%
- Compact design with a width of only 22.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	797000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	12 V
Output Current	1500 mA
Output Wattage	18 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	75%
Efficiency (typ.)	77%
Standard Packing Qty	1
Cat. No.	PSS18/12/1.5

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.23 kg ; 56 pcs / 14 kg / 2.16 CUFT
Weight	150 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3, EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A
Power Dissipation (Vi: 230 VAC, Io norm)	4.65 W

INPUT SPECIFICATIONS....

Rated Input Current -Typ. (Vi : 115 VAC)	335 mA
Rated Input Current -Typ. (Vi : 230 VAC)	210 mA
Rated Input Current -Typ. (Vi : 90 VAC)	500 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

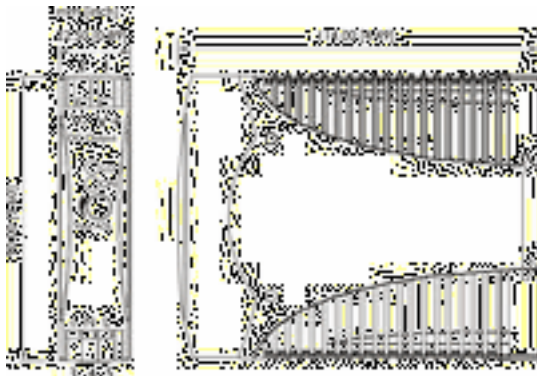
OUTPUT SPECIFICATIONS

Capacitor Load	7000 μ F
DC LOW Indicator Threshold after start up (Red LED)	9.0 to 10.8VDC
DC ON Indicator Threshold at start up (Green LED)	9.0 to 10.8VDC
Efficiency	77%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	75 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	1500 mA
Output Voltage	12 V
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +15 %
Power Back Immunity	18 V
Rated Continuous Loading	1.5A @12Vdc / 1.3A @13.8Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

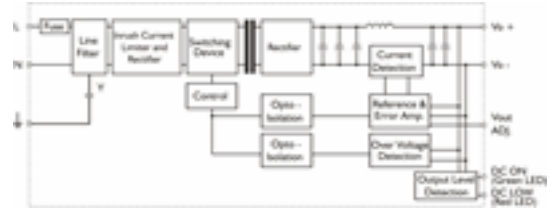
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emissions
4	IN	N	Input terminals (neutral conductor, no polarity at DC input)
5	IN	L	Input terminals (phase conductor, no polarity at DC input)

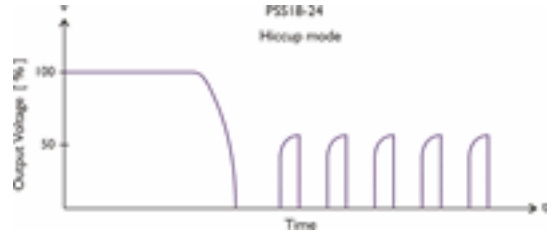
DIMENTISONAL DIAGRAM



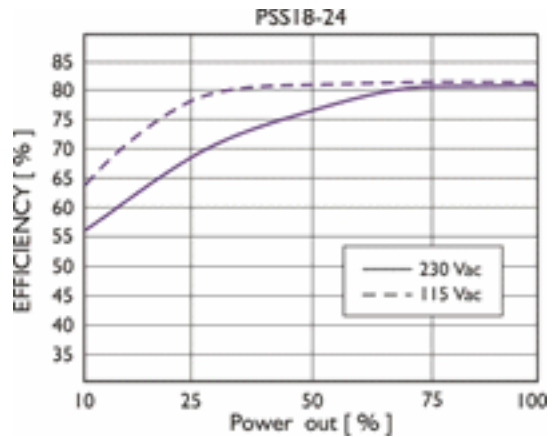
CIRCUIT SCHEMATIC



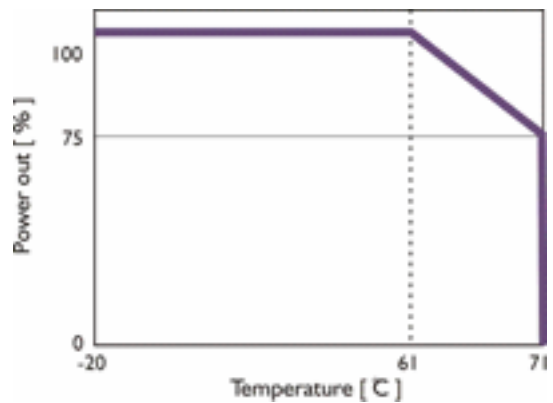
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



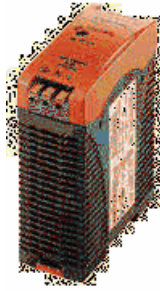
INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends. Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PSS30/12/2.5



2.5A,30W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 85 to 264VAC
- Typical efficiency of 86%
- Compact design with a width of only 40.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W40.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	582000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	80-135 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	2500 mA
Output Wattage	30 W
Input Voltage Range	85 - 264 VAC
Efficiency (min.)	82%
Efficiency (typ.)	84%
Standard Packing Qty	1
Cat. No.	PSS30/12/2.5

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 40.5 X 114 mm
Packing	0.35 kg ; 40 pcs / 15 kg / 2.16 CUFT
Weight	270 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3, EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 5V w/o Class 2) Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	15 to 16.5 VDC
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	85 to 264
DC Input Voltage Range	90 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	5.6 W
Rated Input Current -Max. (Vi : 115 VAC)	800 mA
Rated Input Current -Typ. (Vi : 115 VAC)	560 mA
Rated Input Current -Typ. (Vi : 230 VAC)	330 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 μ F
DC ON Indicator Threshold at start up (Green LED)	9.0 to 10.8VDC
Efficiency	86%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation	+/- 0.5 %
Minimum Load	0 %
Output Current	2500 mA
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	12 to 14 VDC
Power Back Immunity	18 VDC
Rated Continuous Loading	2.5A @12Vdc / 2.1A @14Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	2000 msec

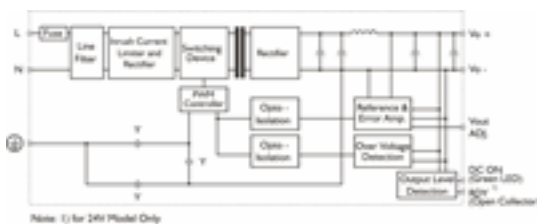
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	DC OK output for relay (not connect except 24V model)
2	OUT	+	Positive output terminal
3	OUT	+	Positive output terminal
4	OUT	-	Negative output terminal
5	OUT	-	Negative output terminal
6	IN	Ground	Ground this terminal to minimize high frequency emissions
7	IN	N	Input terminals (neutral conductor, no polarity at DC input)
8	IN	L	Input terminals (phase conductor, no polarity at DC input)

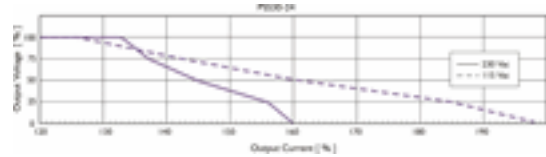
DIMENTISONAL DIAGRAM



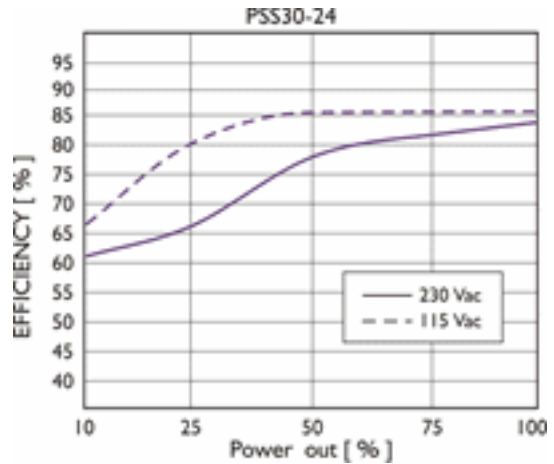
CIRCUIT SCHEMATIC



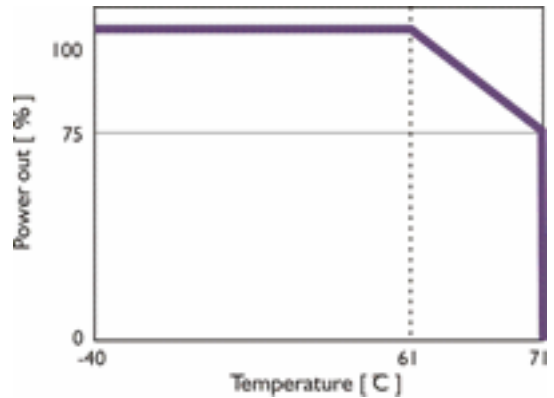
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends. Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm²) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PSS60/12/5



5A,60W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 85 to 264VAC
- Typical efficiency of 89%
- Compact design with a width of only 40.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W40.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	504000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55-90 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	5000 mA
Output Wattage	60 W
Input Voltage Range	85 - 264 VAC
Efficiency (min.)	84%
Efficiency (typ.)	86%
Standard Packing Qty	1
Cat. No.	PSS60/12/5

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 40.5 X 114 mm
Packing	0.41kg ; 40 pcs / 17.5 kg / 2.16 CUFT
Weight	340 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 5V,12V w/o Class 2) Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	15.0 to 16.5 VDC
Rated over load protection	110 to 150 %

INPUT SPECIFICATIONS

AC Input Voltage Range	85 to 264
DC Input Voltage Range	90 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	9.0 W
Rated Input Current -Max. (Vi : 115 VAC)	1500 mA
Rated Input Current -Typ. (Vi : 115 VAC)	1060 mA
Rated Input Current -Typ. (Vi : 230 VAC)	590 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
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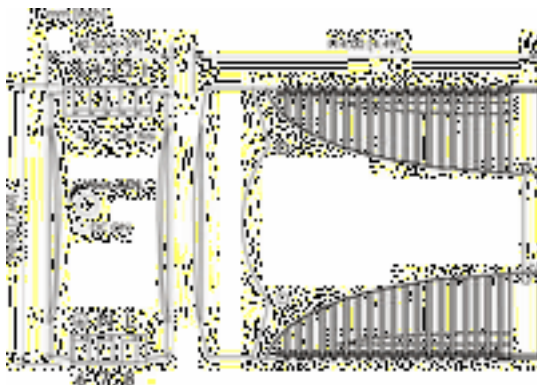
OUTPUT SPECIFICATIONS....

DC ON Indicator Threshold at start up (Green LED)	9.0 to 10.8 VDC
Efficiency	89%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation	+/- 0.5 %
Minimum Load	0 %
Output Current	5000 mA
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	12 to 14 VDC
Power Back Immunity	18 VDC
Rated Continuous Loading	5A @12Vdc / 4.25A @14Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

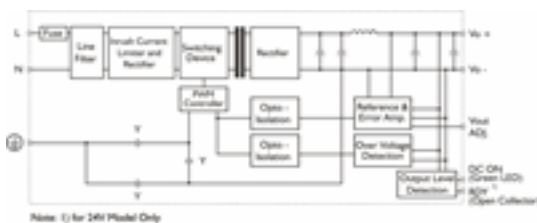
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	DC OK output for relay (not connect except 24V model)
2	OUT	+	Positive output terminal
3	OUT	+	Positive output terminal
4	OUT	-	Negative output terminal
5	OUT	-	Negative output terminal
6	IN	Ground	Ground this terminal to minimize high frequency emissions
7	IN	N	Input terminals (neutral conductor, no polarity at DC input)
8	IN	L	Input terminals (phase conductor, no polarity at DC input)

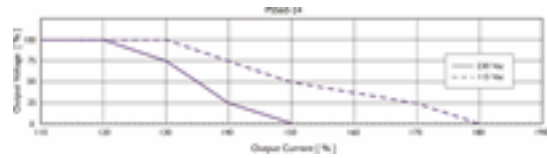
DIMENTIONAL DIAGRAM



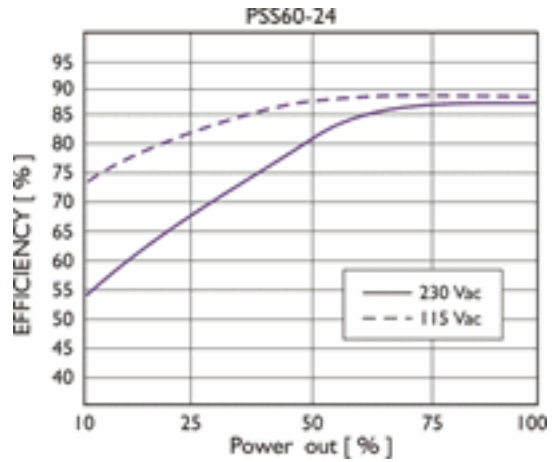
CIRCUIT SCHEMATIC



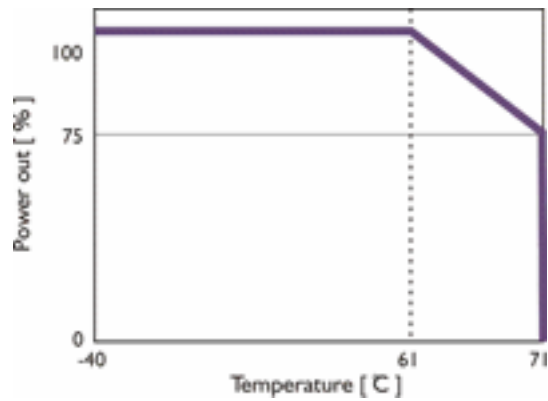
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal:AWG24-14 (0.2-2mm²) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PSS100/12/8.4



8.4A, 100W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 /264VAC Auto select
- Typical efficiency of 88%
- Compact design with a width of only 54mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-35 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	L90 X W54 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	448000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	8.4 A
Output Wattage	100 W
Input Voltage Range	90/264 VAC
Efficiency (min.)	82%
Efficiency (typ.)	84%
Standard Packing Qty	1
Cat. No.	PSS100/12/8.4

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 54 X 114 mm
Packing	0.51kg ; 32 pcs / 17.5 kg / 1.85 CUFT
Weight	430 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 24V/E w/o Class 2) Recognized
Vibration resistance:	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	14.5 to 17.4 VDC
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
Power Dissipation (Vi: 230 VAC, Io norm)	18.5 W
Rated Input Current -Typ. (Vi : 115 VAC)	1.65 A
Rated Input Current -Typ. (Vi : 230 VAC)	0.83 A
Rated Input Current -Typ. (Vi : 90 VAC)	2.4 A
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	10.0 to 11.2 VDC
DC ON Indicator Threshold at start up (Green LED)	10.0 to 11.2 VDC

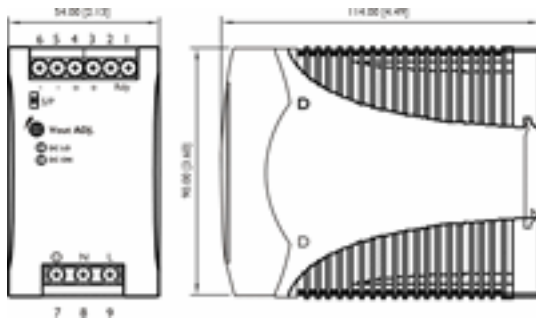
OUTPUT SPECIFICATIONS.....

Efficiency	88%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	15 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	8.4 A
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	11.4 to 14.5 VDC
Parallel Operation	3 unit
Power Back Immunity	18 VDC
Rated Continuous Loading	8.4A @12Vdc / 6.9A @14.5Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emissions
8	IN	N	Input terminals (neutral conductor, no polarity at DC input)
9	IN	L	Input terminals (phase conductor, no polarity at DC input)

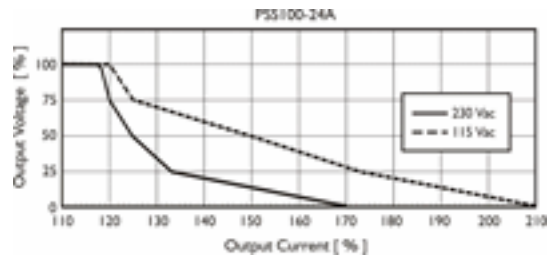
DIMENTISONAL DIAGRAM



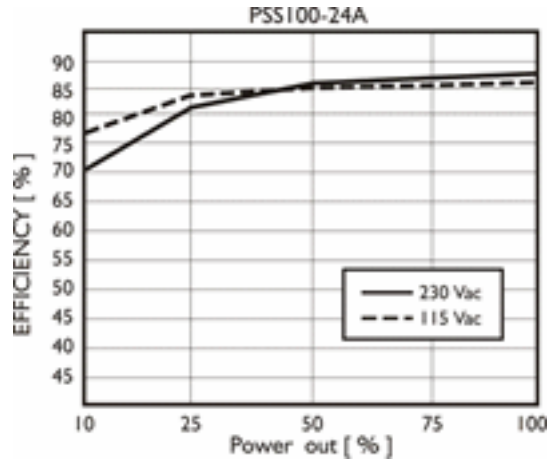
CIRCUIT SCHEMATIC



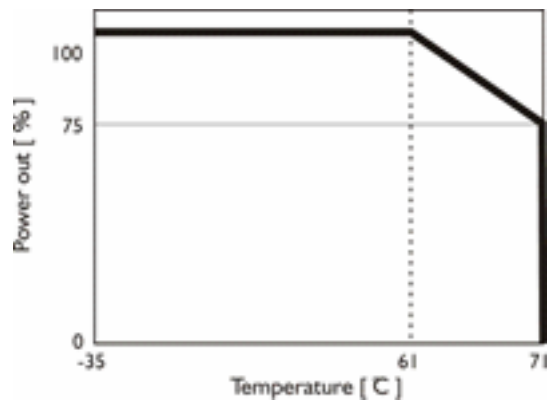
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches

CONNECTION DETAILS

Screw terminal: 2 AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches.

PSS120/12/10



10A,120W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 /264 VAC Auto select
- Typical efficiency of 84%
- Compact design with a width of only 64mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-35 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	L124.5 X W64 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	440000 hr
Pollution Degreee	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	10 A
Output Wattage	120 W
Input Voltage Range	90-264 VAC
Efficiency (min.)	82%
Efficiency (typ.)	84%
Standard Packing Qty	1
Cat. No.	PSS120/12/10

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 64 X 123.6 mm
Packing	1.02kg ; 20 pcs / 21.5 kg / 2.01 CUFT
Weight	920 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (24V/E Models only) Recognized ISA 12.12.01 (Class I,Division 2,Groups A,B,C,and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	125 to 140 %
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	210 to 375
Input Phase	Single
Input Voltage Range (115VAC Selected)	90 to 132 VAC
Input Voltage Range (230VAC Selected)	180 to 264 VAC
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	24 A
Max. Inrush Current (Vi: 230 VAC)	48 A
P.F.C. (Passive)	0.7 typ.
Power Dissipation (Vi: 230 VAC, lo norm)	24 W
Rated Input Current -Max. (Vi : 115 VAC)	2.8 A
Rated Input Current -Max. (Vi : 230 VAC)	1.4 A
Rated Input Current -Typ. (Vi : 115 VAC)	2.2 A
Rated Input Current -Typ. (Vi : 230 VAC)	0.83 A
Rated Input Voltage	115 /230 VAC (auto select)

OUTPUT SPECIFICATIONS

Capacitor Load	7000 μ F
DC LOW Indicator Threshold after start up (Red LED)	10.0 to 11.2 VDC
DC ON Indicator Threshold at start up (Green LED)	10.0 to 11.2 VDC
Efficiency	84%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	10 A
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	11.4 to 14.5 VDC
Parallel Operation	3 unit
Power Back Immunity	18 VDC
Rated Continuous Loading	10A @12Vdc / 8.2A @14.5Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relay contact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emissions
8	IN	L	Input terminals (phase conductor, no polarity at DC input)
9	IN	N	Input terminals (neutral conductor, no polarity at DC input)

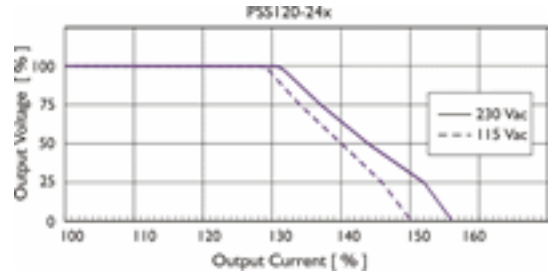
DIMENTISONAL DIAGRAM



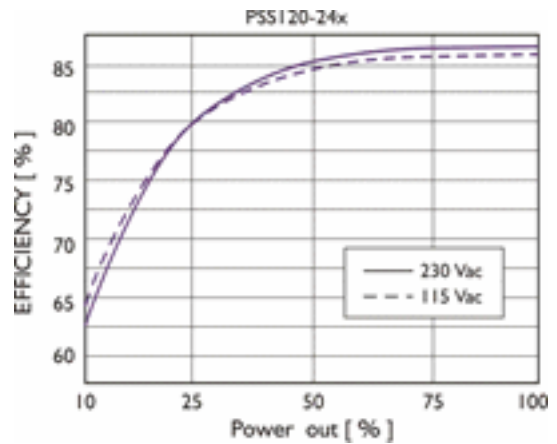
CIRCUIT SCHEMATIC



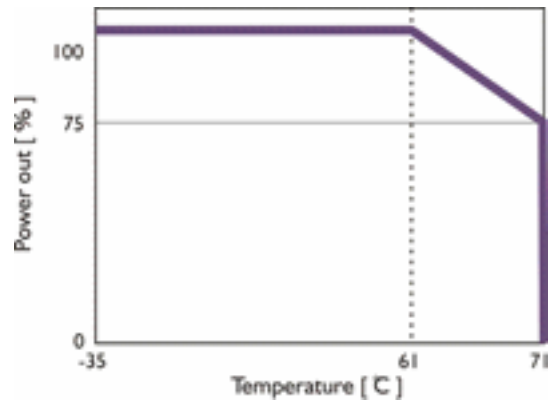
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



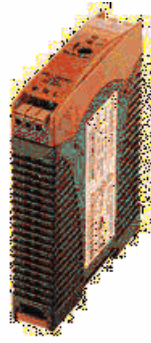
INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended. Connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches. 8m/m stripping at cable end recommends. Use copper conductors only, 60/75°C

CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends

PSS5/15/0.34



0.34A,5W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 to 265VAC
- Typical efficiency of 72%
- Compact design with a width of only 22.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	808000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	15 VDC
Output Current	340 mA
Output Wattage	5 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	70%
Efficiency (typ.)	72%
Standard Packing Qty	1
Cat. No.	PSS5/15/0.34

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.21 kg ; 56 pcs / 12.5 kg / 2.16 CUFT
Weight	120 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A
Power Dissipation (Vi: 230 VAC, Io norm)	2.1 W

INPUT SPECIFICATIONS....

Rated Input Current -Max. (Vi : 115 VAC)	200 mA
Rated Input Current -Typ. (Vi : 115 VAC)	115 mA
Rated Input Current -Typ. (Vi : 230 VAC)	80 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	11.0 to 13.5 VDC
DC ON Indicator Threshold at start up (Green LED)	11.0 to 13.5 VDC
Efficiency	72%
Fall Time	150 msec
Hold Up Time (Vi : 115VAC)	30 msec
Hold Up Time (Vi : 230VAC)	130 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	340 mA
Output Voltage	15 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +15 %
Power Back Immunity	22 VDC
Rated Continuous Loading	0.34A @15Vdc / 0.28A @17.25Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

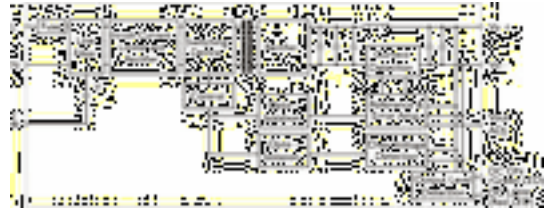
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emissions
4	IN	N	Input terminals (neutral conductor, no polarity at DC input)
5	IN	L	Input terminals (phase conductor, no polarity at DC input)

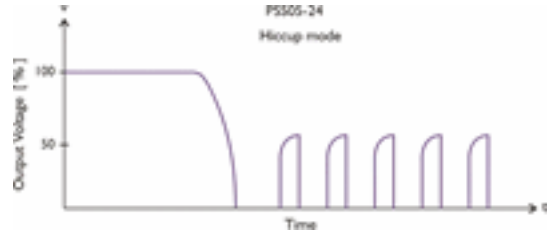
DIMENTISONAL DIAGRAM



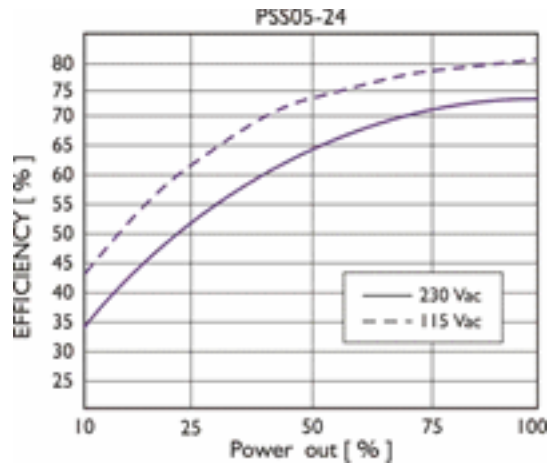
CIRCUIT SCHEMATIC



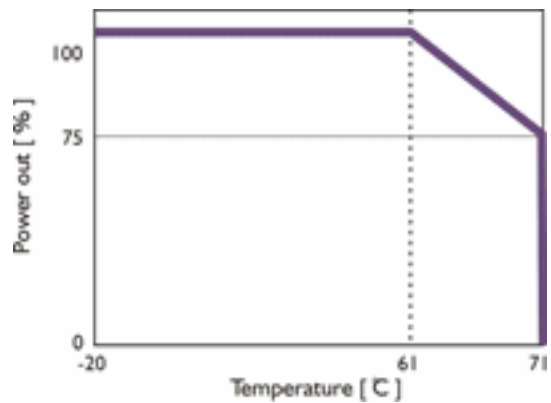
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



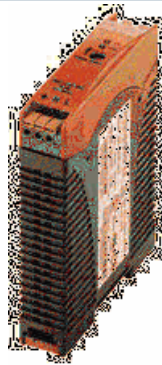
INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends. Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: AWG24-14 (0.2-2mm) flexible / solid cable, 10 m/m stripping at cable end recommends Use copper conductors only, 60 / 75 C

PSS10/15/0.67



0.67A,10W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 76%
- Compact design with a width of only 22.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	805000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	15 VDC
Output Current	670 mA
Output Wattage	10 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	74%
Efficiency (typ.)	76%
Standard Packing Qty	1
Cat. No.	PSS10/15/0.67

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.21 kg ; 56 pcs / 12.5 kg / 2.16 CUFT
Weight	120g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 145 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A

INPUT SPECIFICATIONS....

Power Dissipation (Vi: 230 VAC, Io norm)	3.3 W
Rated Input Current -Typ. (Vi : 115 VAC)	200 mA
Rated Input Current -Typ. (Vi : 230 VAC)	130 mA
Rated Input Current -Typ. (Vi : 90 VAC)	300 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

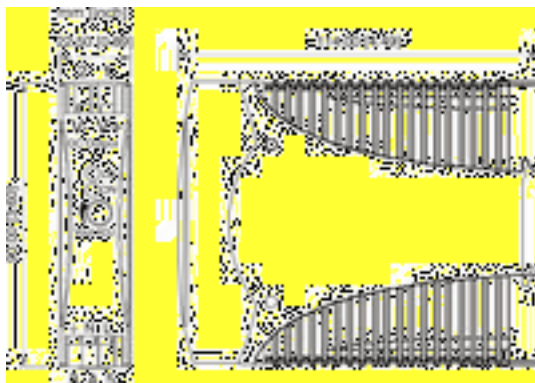
OUTPUT SPECIFICATIONS

Capacitor Load	3500 μ F
DC LOW Indicator Threshold after start up (Red LED)	11.0 to 13.5 VDC
DC ON Indicator Threshold at start up (Green LED)	11.0 to 13.5 VDC
Efficiency	76%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	100 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	670 mA
Output Voltage	15 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +15 %
Power Back Immunity	22 VDC
Rated Continuous Loading	0.67A @15Vdc / 0.58A @17.25Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emissions
4	IN	N	Input terminals (neutral conductor, no polarity at DC input)
5	IN	L	Input terminals (phase conductor, no polarity at DC input)

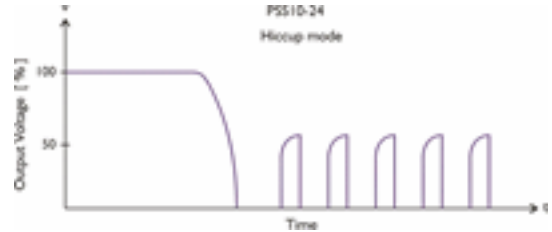
DIMENTISONAL DIAGRAM



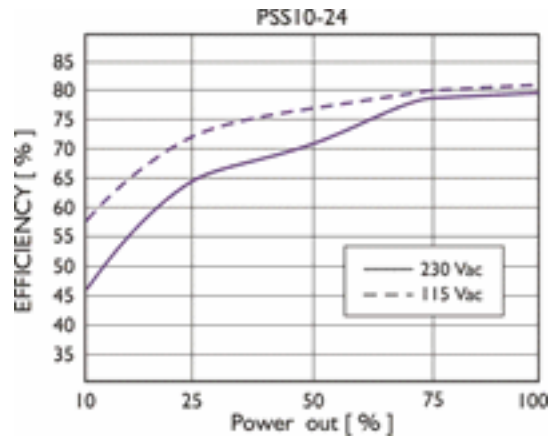
CIRCUIT SCHEMATIC



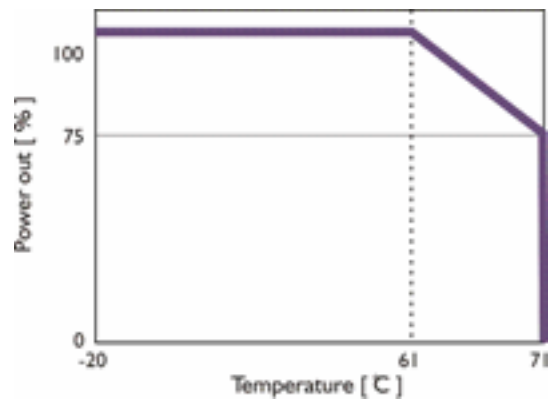
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



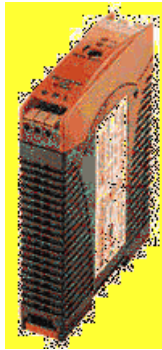
CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

PSS18/15/1.2



1.2A,18W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 77%
- Compact design with a width of only 22.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	796000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	15 VDC
Output Current	1200 A
Output Wattage	18 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	75%
Efficiency (typ.)	77%
Standard Packing Qty	1
Cat. No.	PSS18/15/1.2

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.23 kg ; 56 pcs / 14 kg / 2.16 CUFT
Weight	150 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3, EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 A
Leakage Current (Input-Output)	0.25 A
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A
Power Dissipation (Vi: 230 VAC, lo norm)	4.25 W

INPUT SPECIFICATIONS....

Rated Input Current -Typ. (Vi : 115 VAC)	335 A
Rated Input Current -Typ. (Vi : 230 VAC)	210 A
Rated Input Current -Typ. (Vi : 90 VAC)	500 A
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

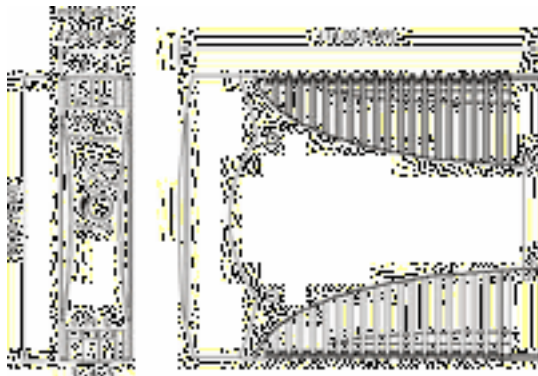
OUTPUT SPECIFICATIONS

Capacitor Load	7000 F
DC LOW Indicator Threshold after start up (Red LED)	11.0 to 13.5VDC
DC ON Indicator Threshold at start up (Green LED)	11.0 to 13.5VDC
Efficiency	77%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	75 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	1200 A
Output Voltage	15 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +15 %
Power Back Immunity	22 VDC
Rated Continuous Loading	1.2A @15Vdc / 1.0A @17.25Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

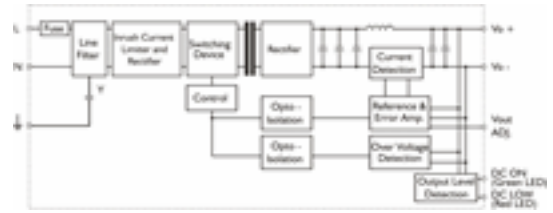
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emissions
4	IN	N	Input terminals (neutral conductor, no polarity at DC input)
5	IN	L	Input terminals (phase conductor, no polarity at DC input)

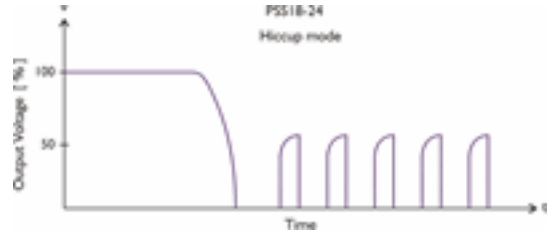
DIMENTISONAL DIAGRAM



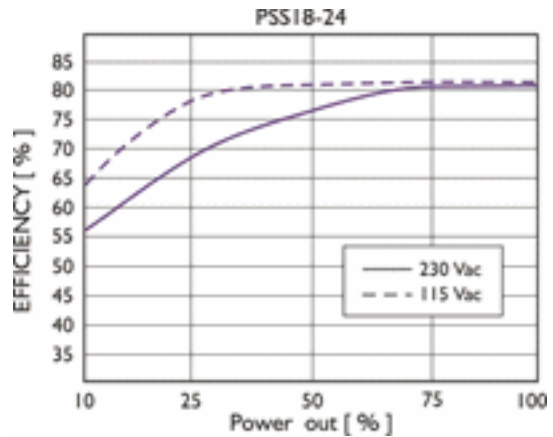
CIRCUIT SCHEMATIC



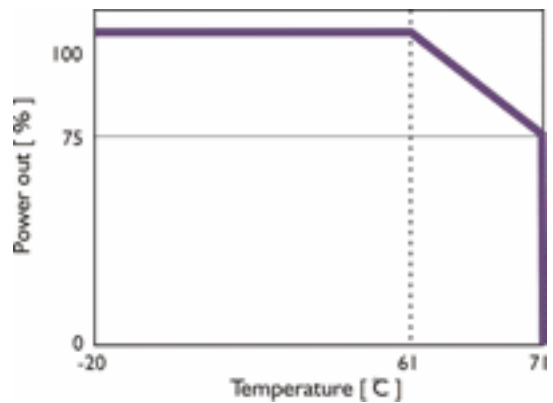
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



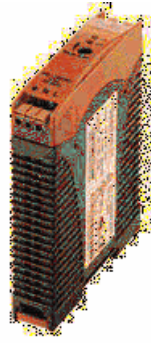
INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PSS5/24/0.21



0.21A,5W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 to 265 VAC
- Typical efficiency of 69%
- Compact Design with a width of only 22.5 mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 °C
Ambient Temperature Range (Storage)	-25 to +85 °C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5 °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	812000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	210 mA
Output Wattage	5 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	70%
Efficiency (typ.)	72%
Standard Packing Qty	1
Cat. No.	PSS5/24/0.21

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.21 kg ; 56 pcs / 12.5 kg / 2.16 CUFT
Weight	120 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A
Power Dissipation (Vi: 230 VAC, Io norm)	1.8 W

INPUT SPECIFICATIONS....

Rated Input Current -Max. (Vi : 115 VAC)	200 mA
Rated Input Current -Typ. (Vi : 115 VAC)	115 mA
Rated Input Current -Typ. (Vi : 230 VAC)	80 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

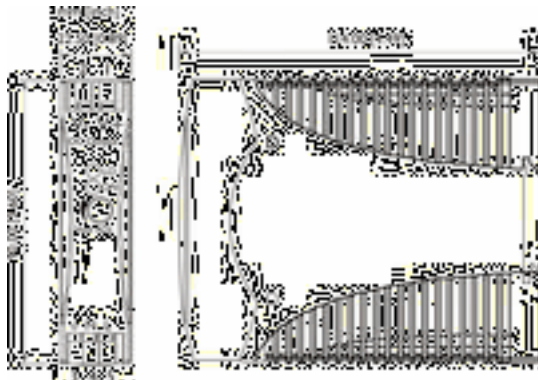
OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	18.0 to 21.6 VDC
DC ON Indicator Threshold at start up (Green LED)	18.0 to 21.6 VDC
Efficiency	72%
Fall Time	150 msec
Hold Up Time (Vi : 115VAC)	30 msec
Hold Up Time (Vi : 230VAC)	130 secs
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	210 mA
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +20 %
Power Back Immunity	35 VDC
Rated Continuous Loading	0.21A @24Vdc / 0.17A @28.8Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

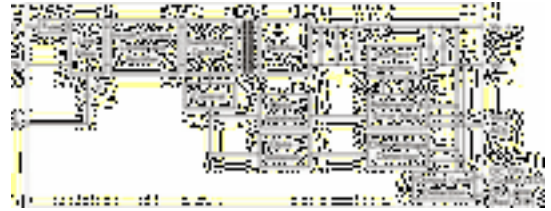
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emissions
4	IN	N	Input terminals (neutral conductor, no polarity at DC input)
5	IN	L	Input terminals (phase conductor, no polarity at DC input)

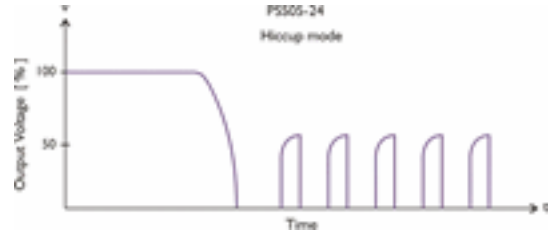
DIMENTISONAL DIAGRAM



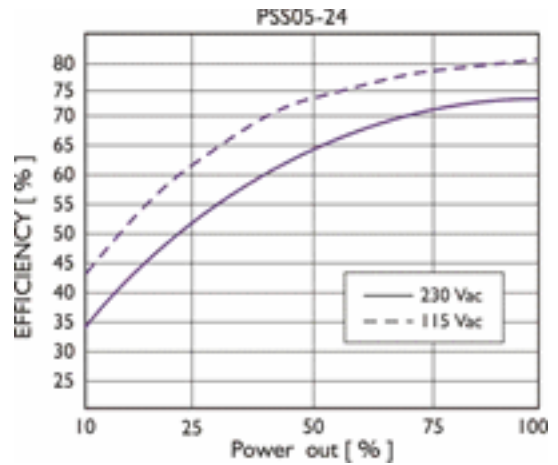
CIRCUIT SCHEMATIC



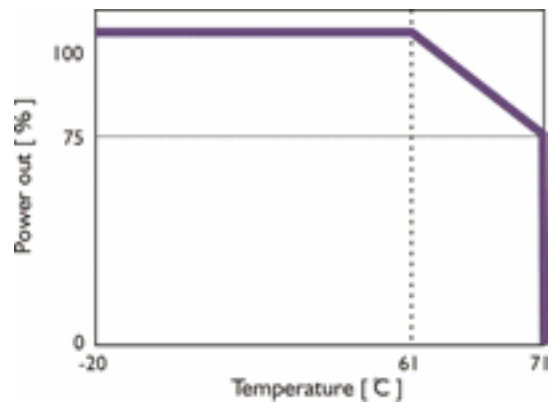
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



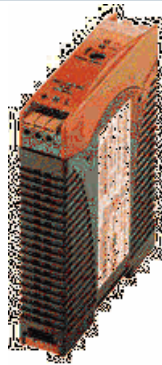
CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends. Use Cu conductors only, 60/75 deg.C

PSS10/24/0.42



0.42A,10W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 76%
- Compact design with a width of only 22.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	808000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	420 mA
Output Wattage	10 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	74%
Efficiency (typ.)	76%
Standard Packing Qty	1
Cat. No.	PSS10/24/0.42

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.21 kg ; 56 pcs / 12.5 kg / 2.16 CUFT
Weight	120 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 145 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	2.5 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A

INPUT SPECIFICATIONS....

Power Dissipation (Vi: 230 VAC, Io norm)	2.8 W
Rated Input Current -Typ. (Vi : 115 VAC)	200 mA
Rated Input Current -Typ. (Vi : 230 VAC)	130 mA
Rated Input Current -Typ. (Vi : 90 VAC)	300 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

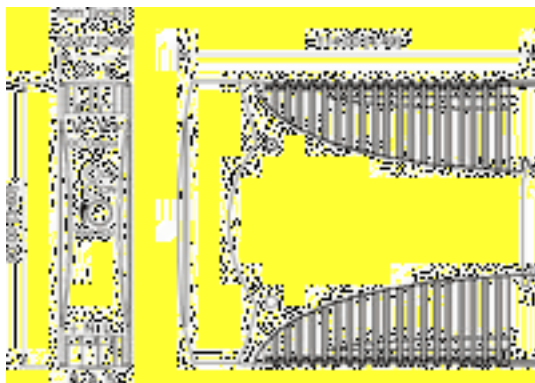
OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	18.0 to 21.6 VDC
DC ON Indicator Threshold at start up (Green LED)	18.0 to 21.6 VDC
Efficiency	72%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	100 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	420 mA
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +20 %
Power Back Immunity	35 VDC
Rated Continuous Loading	0.42A @24Vdc / 0.34A @28.8Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emissions
4	IN	N	Input terminals (neutral conductor, no polarity at DC input)
5	IN	L	Input terminals (phase conductor, no polarity at DC input)

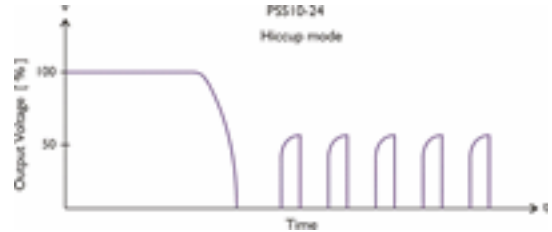
DIMENTISONAL DIAGRAM



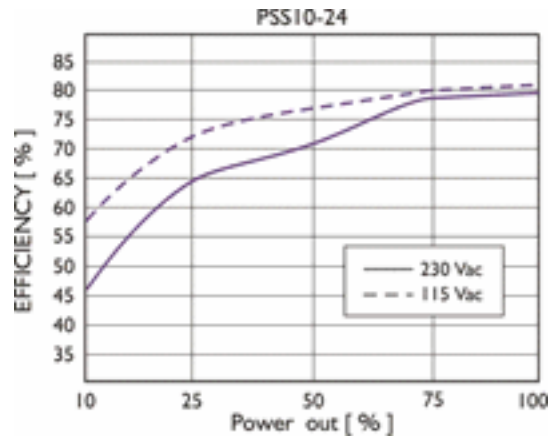
CIRCUIT SCHEMATIC



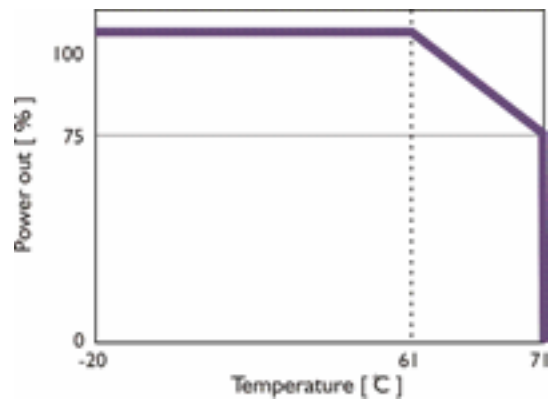
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



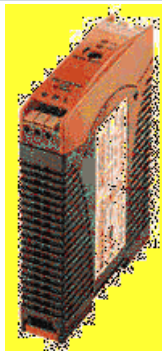
INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends. Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: AWG24-14 (0.2-2mm) flexible / solid cable, 10 m/m stripping at cable end recommends Use copper conductors only, 60 / 75 C

PSS18/24/0.75



0.75A,18W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 77%
- Compact design with a width of only 22.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	800000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	750 m A
Output Wattage	18 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	75%
Efficiency (typ.)	77%
Standard Packing Qty	1
Cat. No.	PSS18/24/0.75

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.23 kg ; 56 pcs / 14 kg / 2.16 CUFT
Weight	150 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 m A
Leakage Current (Input-Output)	0.25 m A
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A
Power Dissipation (Vi: 230 VAC, Io norm)	4.45 W

INPUT SPECIFICATIONS....

Rated Input Current -Typ. (Vi : 115 VAC)	335 mA
Rated Input Current -Typ. (Vi : 230 VAC)	210 mA
Rated Input Current -Typ. (Vi : 90 VAC)	500 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

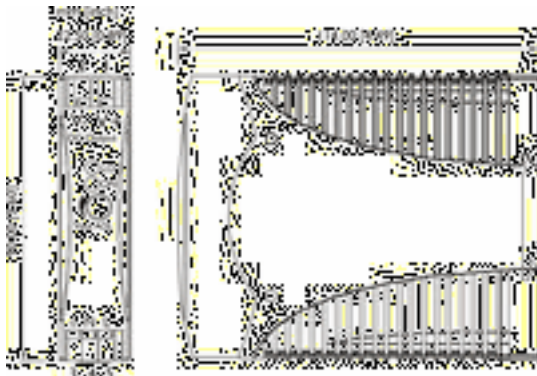
OUTPUT SPECIFICATIONS

Capacitor Load	7000 μ F
DC LOW Indicator Threshold after start up (Red LED)	18 to 21.6VDC
DC ON Indicator Threshold at start up (Green LED)	18 to 21.6VDC
Efficiency	77%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	75 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	750 mA
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +20 %
Power Back Immunity	35 VDC
Rated Continuous Loading	0.75A @24Vdc / 0.6A @28.8Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

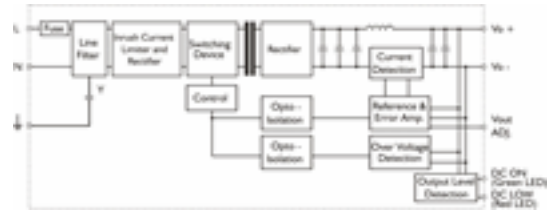
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emissions
4	IN	N	Input terminals (neutral conductor, no polarity at DC input)
5	IN	L	Input terminals (phase conductor, no polarity at DC input)

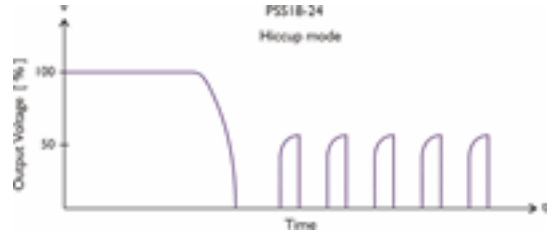
DIMENTISONAL DIAGRAM



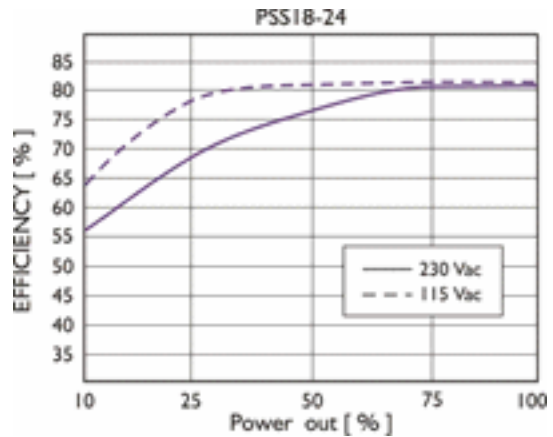
CIRCUIT SCHEMATIC



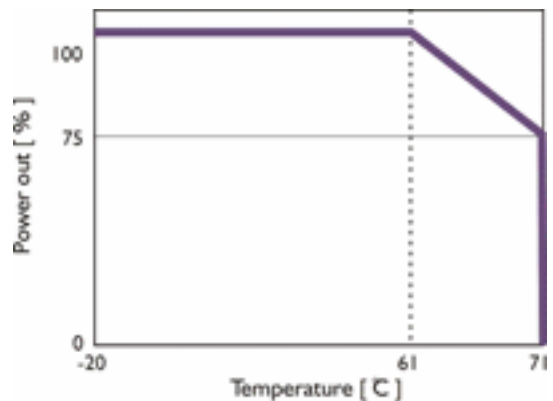
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

PSS30/24/1.25



1.25A,30W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 85 to 264VAC
- Typical efficiency of 86%
- Compact design with a width of only 40.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% / °C
Dimension	Spring Terminal Type , L90 X W40.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	588000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	80-135 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	1250 mA
Output Wattage	30 W
Input Voltage Range	85 - 264 VAC
Efficiency (min.)	83%
Efficiency (typ.)	86%
Standard Packing Qty	1
Cat. No.	PSS30/24/1.25

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 40.5 X 114 mm
Packing	0.35 kg ; 40 pcs / 15 kg / 2.16 CUFT
Weight	270 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3, EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4, EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 5V w/o Class 2) Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	30 to 33 VDC
Power Ready	Threshold Voltage of Contact Closed(at Strat up)18.8 / 19.6 VDC min/max
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	85 to 264
DC Input Voltage Range	90 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	5.5 W
Rated Input Current -Max. (Vi : 115 VAC)	800 mA
Rated Input Current -Typ. (Vi : 115 VAC)	560 mA
Rated Input Current -Typ. (Vi : 230 VAC)	330 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 μ F
DC ON Indicator Threshold at start up (Green LED)	18.0 to 21.6VDC
Efficiency	86%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation	+/- 0.5 %
Minimum Load	0 %
Output Current	1250 mA
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	24 to 28 VDC
Power Back Immunity	35 VDC
Rated Continuous Loading	1.25A @24Vdc / 1.05A @28Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	2000 msec

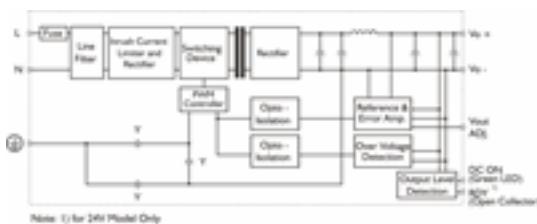
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	DC OK output for relay (not connect except 24V model)
2	OUT	+	Positive output terminal
3	OUT	+	Positive output terminal
4	OUT	-	Negative output terminal
5	OUT	-	Negative output terminal
6	IN	Ground	Ground this terminal to minimize high frequency emissions
7	IN	N	Input terminals (neutral conductor, no polarity at DC input)
8	IN	L	Input terminals (phase conductor, no polarity at DC input)

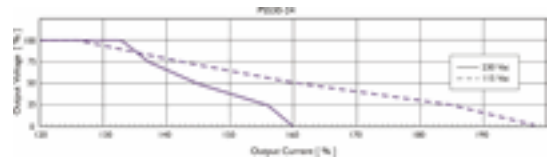
DIMENTISONAL DIAGRAM



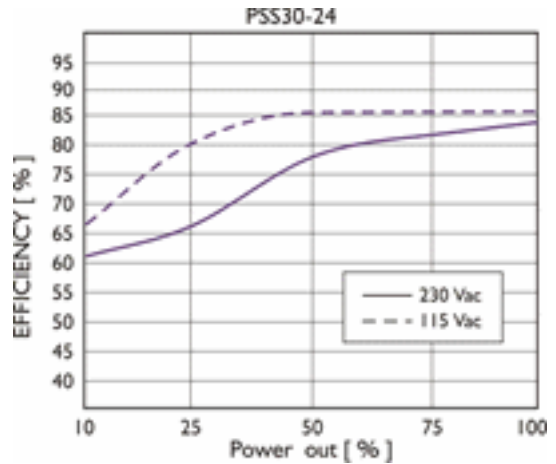
CIRCUIT SCHEMATIC



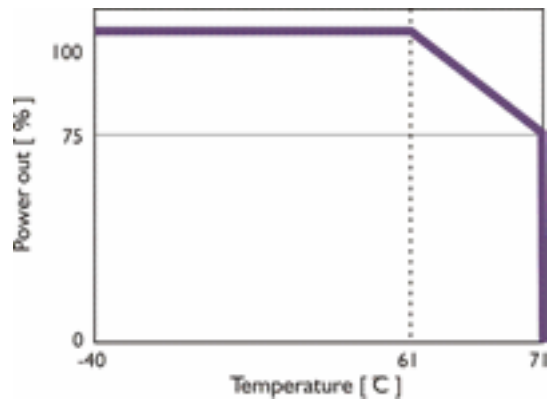
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



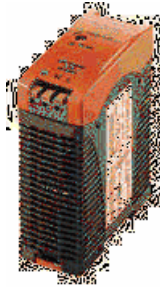
INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends. Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: AWG24-14 (0.2-2mm²) flexible / solid cable, 10 m/m stripping at cable end recommends Use copper conductors only, 60 / 75 C

PSS60/24/2.5



2.5A,60W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 85 to 264VAC
- Typical efficiency of 89%
- Compact design with a width of only 40.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W40.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	520000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55-90 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	2500 mA
Output Wattage	60 W
Input Voltage Range	85 - 264 VAC
Efficiency (min.)	86%
Efficiency (typ.)	89%
Standard Packing Qty	1
Cat. No.	PSS60/24/2.5

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 40.5 X 114 mm
Packing	0.41kg ; 40 pcs / 17.5 kg / 2.16 CUFT
Weight	340 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3, EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2, Power (only 5V,12V w/o Class 2) Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	30.0 to 33.0 VDC
Power Ready	Rdy on (Threshold at start up) at 19.2-19.4 VDC & Rdy off (Threshold after start up) at 19.1-19.3 VDC
Rated over load protection	110 to 150 %

INPUT SPECIFICATIONS

AC Input Voltage Range	85 to 264
DC Input Voltage Range	90 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	8.8 W
Rated Input Current -Max. (Vi : 115 VAC)	1500 mA
Rated Input Current -Typ. (Vi : 115 VAC)	1060 mA
Rated Input Current -Typ. (Vi : 230 VAC)	590 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 μ F
DC ON Indicator Threshold at start up (Green LED)	18.0 to 21.6 VDC
Efficiency	89%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation	+/- 0.5 %
Minimum Load	0 %
Output Current	2500 mA
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	24 to 28 VDC
Power Back Immunity	35 VDC
Rated Continuous Loading	2.5A @24Vdc / 2.1A @28Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

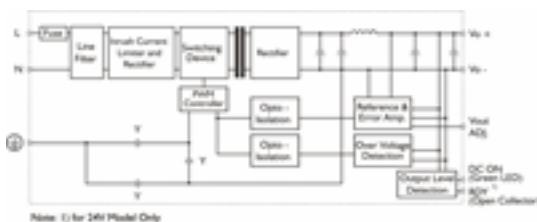
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	DC OK output for relay (not connect except 24V model)
2	OUT	+	Positive output terminal
3	OUT	+	Positive output terminal
4	OUT	-	Negative output terminal
5	OUT	-	Negative output terminal
6	IN	Ground	Ground this terminal to minimize high frequency emissions
7	IN	N	Input terminals (neutral conductor, no polarity at DC input)
8	IN	L	Input terminals (phase conductor, no polarity at DC input)

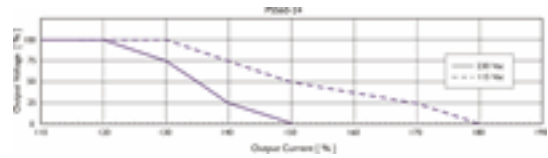
DIMENTISONAL DIAGRAM



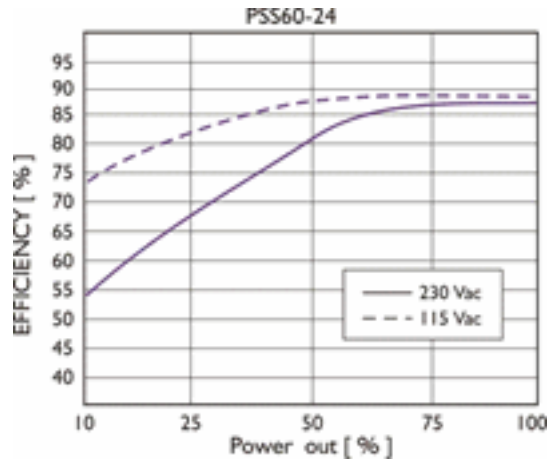
CIRCUIT SCHEMATIC



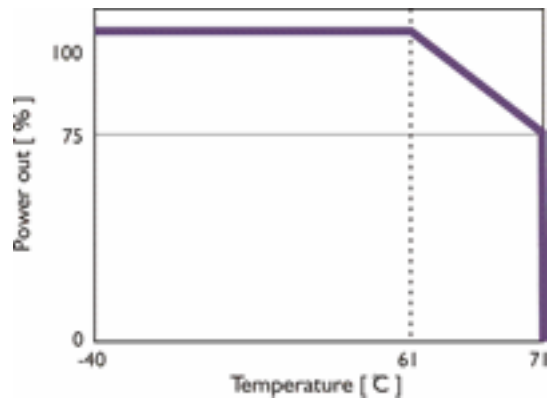
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal:AWG24-14 (0.2-2mm²) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PSS100/24/3.8-L



3.8A,100W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 /264VAC Auto select
- Typical efficiency of 88%
- Compact design with a width of only 54mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-35 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	L90 X W54 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	493000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	3.8 A
Output Wattage	91.2 W
Input Voltage Range	90/264 VAC
Efficiency (min.)	83%
Efficiency (typ.)	85%
Standard Packing Qty	1
Cat. No.	PSS100/24/3.8-L

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 54 X 114 mm
Packing	0.51kg ; 32 pcs / 17.5 kg / 1.85 CUFT
Weight	430 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 24V/E w/o Class 2) Recognized
Vibration resistance:	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	24.5 to 25.5 VDC
Power Ready	Threshold voltage of contact closed(at start up) 17.6-19.4 VDC Electrical isolation 500VDC Contact rating at 60VDC,0.3A
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
Power Dissipation (Vi: 230 VAC, lo norm)	14 W
Rated Input Current -Typ. (Vi : 115 VAC)	1.65 A
Rated Input Current -Typ. (Vi : 230 VAC)	0.83 A
Rated Input Current -Typ. (Vi : 90 VAC)	2.4 A
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up	17.6 to 19.4 VDC

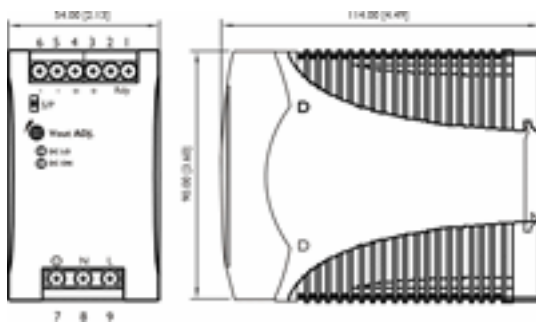
OUTPUT SPECIFICATIONS....

(Red LED)	
DC ON Indicator Threshold at start up (Green LED)	17.6 to 19.4 VDC
Efficiency	88%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	15 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	3.8 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	22.5 to 24.5 VDC
Power Back Immunity	35 VDC
Rated Continuous Loading	3.8A @24Vdc / 3.7A @24.5Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emissions
8	IN	N	Input terminals (neutral conductor, no polarity at DC input)
9	IN	L	Input terminals (phase conductor, no polarity at DC input)

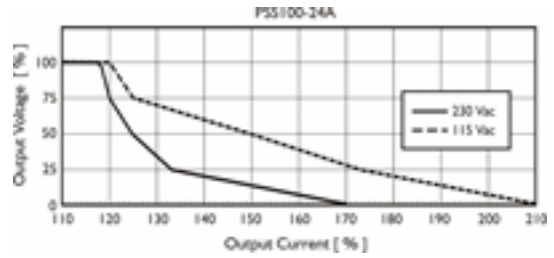
DIMENTENSIONAL DIAGRAM



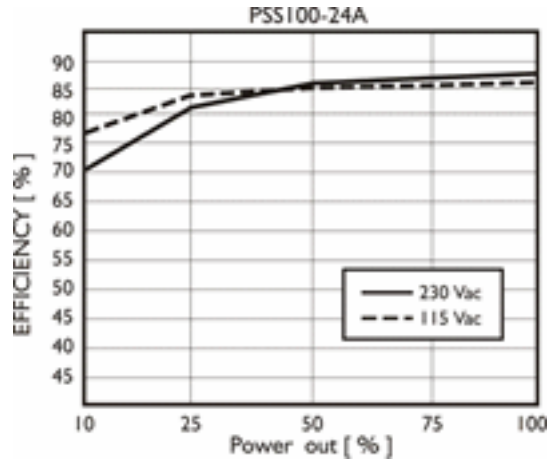
CIRCUIT SCHEMATIC



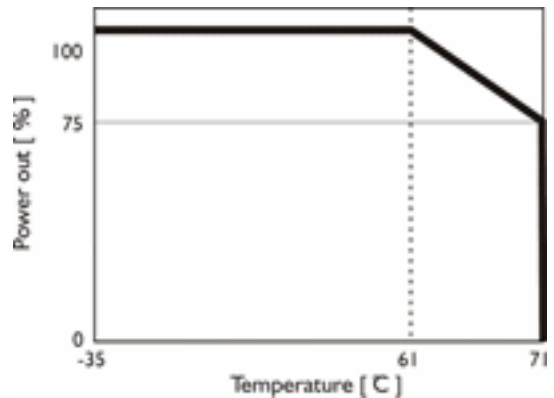
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches.

INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches

PSS100/24/4.2



4.2A,100W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 /264VAC Auto select
- Typical efficiency of 88%
- Compact design with a width of only 54mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-35 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	L90 X W54 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	456000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	4.2 A
Output Wattage	100.8 W
Input Voltage Range	90-264 VAC
Efficiency (min.)	84%
Efficiency (typ.)	86%
Standard Packing Qty	1
Cat. No.	PSS100/24/4.2

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 54 X 114 mm
Packing	0.51kg ; 32 pcs / 17.5 kg / 1.85 CUFT
Weight	430 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 24V/E w/o Class 2) Recognized
Vibration resistance:	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	30 to 33 VDC
Power Ready	Threshold voltage of contact closed(at start up) 17.6-19.4 VDC Electrical isolation 500VDC Contact rating at 60VDC,0.3A
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
Power Dissipation (Vi: 230 VAC, lo norm)	15 W
Rated Input Current -Typ. (Vi : 115 VAC)	1.65 A
Rated Input Current -Typ. (Vi : 230 VAC)	0.83 A
Rated Input Current -Typ. (Vi : 90 VAC)	2.4 A
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up	17.6 to 19.4 VDC

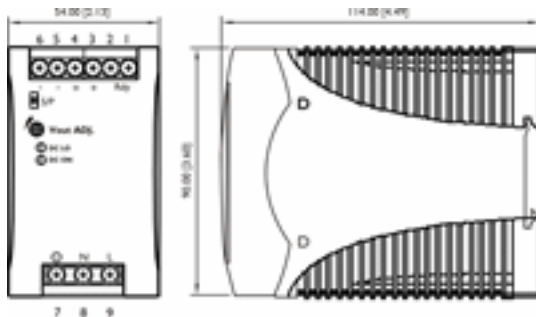
OUTPUT SPECIFICATIONS....

(Red LED)	
DC ON Indicator Threshold at start up (Green LED)	17.6 to 19.4 VDC
Efficiency	88%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	15 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	4.2 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	22.5 to 28.5 VDC
Parallel Operation	3 unit
Power Back Immunity	35 VDC
Rated Continuous Loading	4.2A @24Vdc / 3.5A @28.5Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emissions
8	IN	N	Input terminals (neutral conductor, no polarity at DC input)
9	IN	L	Input terminals (phase conductor, no polarity at DC input)

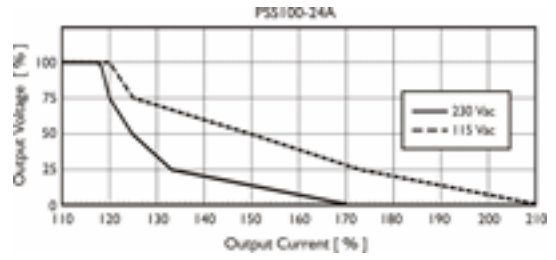
DIMENTIONAL DIAGRAM



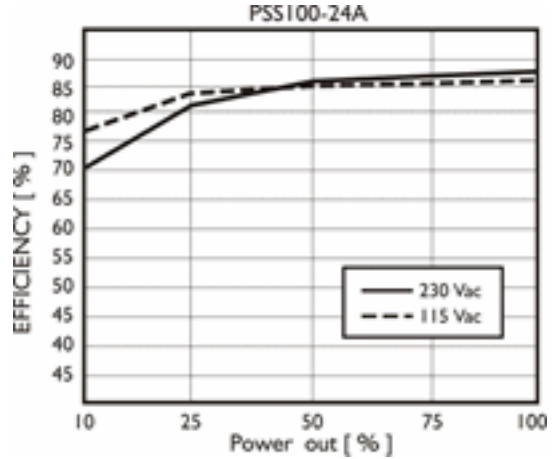
CIRCUIT SCHEMATIC



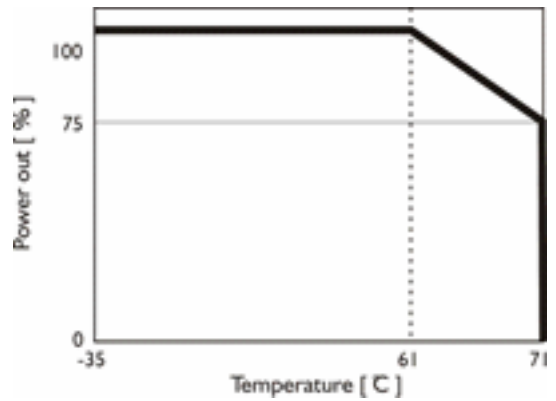
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Screw terminal:AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches.

INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches

PSS120/24/3.8-L



3.8A,120W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 115 /230 VAC Auto select
- Typical efficiency of 85%
- Compact design with a width of only 64mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-35 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Screw terminal type L124.5 X W64 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	486000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	3.8 A
Output Wattage	91.2 W
Input Voltage Range	90-264 VAC
Efficiency (min.)	83%
Efficiency (typ.)	85%
Standard Packing Qty	1
Cat. No.	PSS120/24/3.8-L

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 64 X 123.6 mm
Packing	1.02kg ; 20 pcs / 21.5 kg / 2.01 CUFT
Weight	920 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (24V/E Models only) Recognized ISA 12.12.01 (Class I, Division 2, Groups A,B,C, and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	102 to 106 %
Power Ready	Threshold voltage of contact closed (at start up) 17.6-19.4 VDC Electrical isolation 500VDC Contact rating at 60VDC,0.3A
Rated over load protection	102 to 108 %

INPUT SPECIFICATIONS

DC Input Voltage Range	210 to 375
Input Phase	Single
Input Voltage Range (115VAC Selected)	90 to 132 VAC
Input Voltage Range (230VAC Selected)	180 to 264 VAC
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	24 A
Max. Inrush Current (Vi: 230 VAC)	48 A
P.F.C. (Passive)	0.7 typ.
Power Dissipation (Vi: 230 VAC, lo norm)	16 W
Rated Input Current -Max. (Vi : 115 VAC)	2.0 A
Rated Input Current -Max. (Vi : 230 VAC)	0.8 A
Rated Input Current -Typ. (Vi : 115 VAC)	1.65 A
Rated Input Current -Typ. (Vi : 230 VAC)	0.65 A
Rated Input Voltage	115 /230 VAC (auto select)

OUTPUT SPECIFICATIONS

Capacitor Load	3500 μ F
DC LOW Indicator Threshold after start up (Red LED)	17.6 to 19.4 VDC
DC ON Indicator Threshold at start up (Green LED)	17.6 to 19.4 VDC
Efficiency	85%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	3.8 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	22.5 to 24.5 VDC
Power Back Immunity	35 VDC
Rated Continuous Loading	3.8A @24Vdc / 3.7A @24.5Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emissions
8	IN	L	Input terminals (phase conductor, no polarity at DC input)
9	IN	N	Input terminals (neutral conductor, no polarity at DC input)

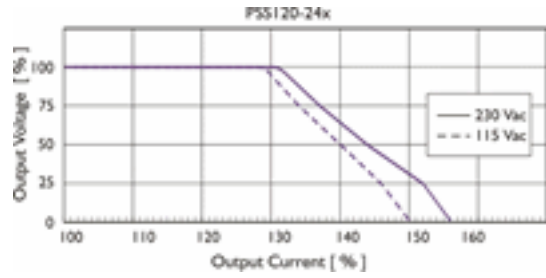
DIMENTENSIONAL DIAGRAM



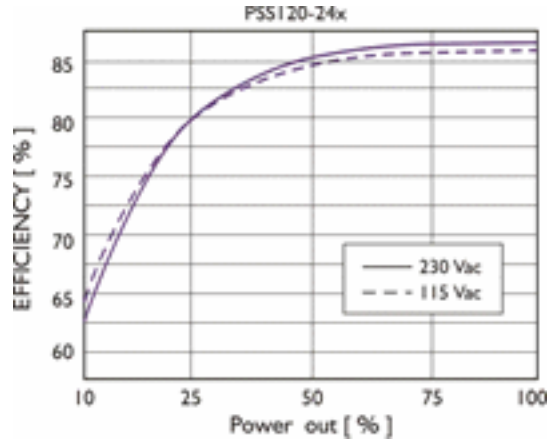
CIRCUIT SCHEMATIC



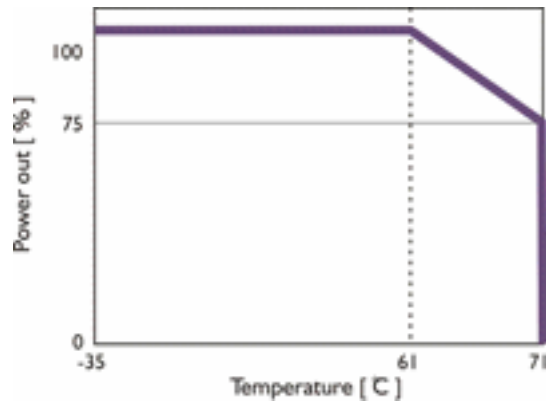
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended. Connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches. 8m/m stripping at cable end recommends. Use copper conductors only, 60/75°C

CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends

PSS120/24/5



5A,120W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90/264 VAC Auto select
- Typical efficiency of 86%
- Compact design with a width of only 64mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-35 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Screw terminal type L124.5 X W64 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	450000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	5 A
Output Wattage	120 W
Input Voltage Range	115/230 VAC
Efficiency (min.)	84%
Efficiency (typ.)	86%
Standard Packing Qty	1
Cat. No.	PSS120/24/5

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 64 X 123.6 mm
Packing	1.02kg ; 20 pcs / 21.5 kg / 2.01 CUFT
Weight	920 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (24V/E Models only) Recognized ISA 12.12.01 (Class I, Division 2, Groups A,B,C, and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	125 to 140 %
Power Ready	Threshold voltage of contact closed (at start up) 17.6-19.4 VDC Electrical isolation 500VDC Contact rating at 60VDC,0.3A
Rated over load protection	110 to 145 %

INPUT SPECIFICATIONS

DC Input Voltage Range	210 to 375
Input Phase	Single
Input Voltage Range (115VAC Selected)	90 to 132 VAC
Input Voltage Range (230VAC Selected)	180 to 264 VAC
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	24 A
Max. Inrush Current (Vi: 230 VAC)	48 A
P.F.C. (Passive)	0.7 typ.
Power Dissipation (Vi: 230 VAC, lo norm)	20 W
Rated Input Current -Max. (Vi : 115 VAC)	2.8 A
Rated Input Current -Max. (Vi : 230 VAC)	1.4 A
Rated Input Current -Typ. (Vi : 115 VAC)	2.2 A
Rated Input Current -Typ. (Vi : 230 VAC)	0.83 A
Rated Input Voltage	115 /230 VAC (auto select)

OUTPUT SPECIFICATIONS

Capacitor Load	3500 μ F
DC LOW Indicator Threshold after start up (Red LED)	17.6 to 19.4 VDC
DC ON Indicator Threshold at start up (Green LED)	17.6 to 19.4 VDC
Efficiency	86%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	5 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	22.5 to 28.5 VDC
Parallel Operation	3 unit
Power Back Immunity	35 VDC
Rated Continuous Loading	5A @24Vdc / 4.2A @28.5Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emissions
8	IN	L	Input terminals (phase conductor, no polarity at DC input)
9	IN	N	Input terminals (neutral conductor, no polarity at DC input)

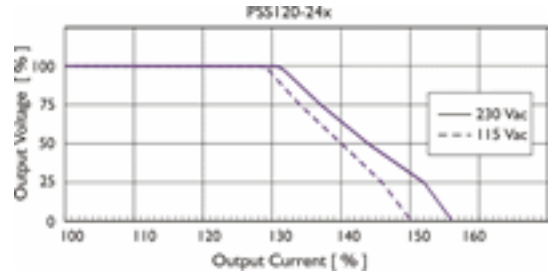
DIMENTISONAL DIAGRAM



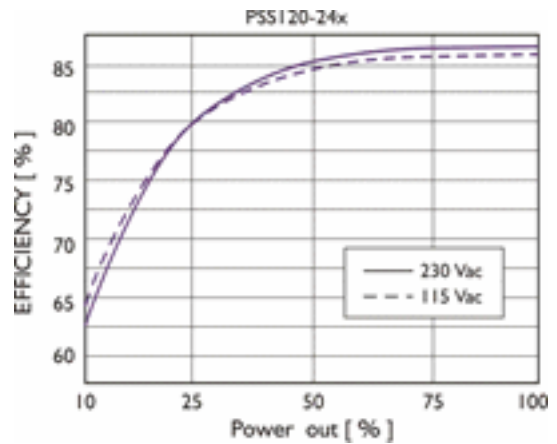
CIRCUIT SCHEMATIC



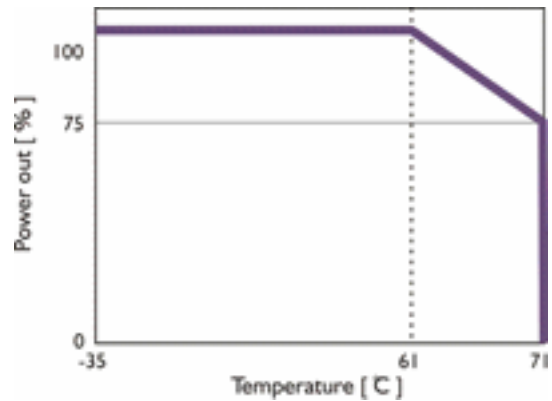
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends

INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended. Connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches. 8m/m stripping at cable end recommends. Use copper conductors only, 60/75°C

PSS240/24/10



10A,240W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 - 264 VAC Auto select
- Typical efficiency of 89%
- Compact design with a width of only 83.5mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Screw terminal type L124.5 X W83.5 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	423000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	40 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	10 A
Output Wattage	240 W
Input Voltage Range	90-264 VAC
Efficiency (min.)	87%
Efficiency (typ.)	89%
Standard Packing Qty	1
Cat. No.	PSS240/24/10

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 83.5 X 123.6 mm
Packing	1.5kg ; 16 pcs / 25 kg / 2.01 CUFT
Weight	1380g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme, EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (24V/E Models only) Recognized ISA 12.12.01 (Class I, Division 2, Groups A, B, C, and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T6.3A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	125 to 140 %
Power Ready	Threshold voltage of contact closed(at start up) 17.6-19.4 VDC Electrical isolation 500VDC Contact rating at 60VDC,0.3A
Rated over load protection	120 to 145 %

INPUT SPECIFICATIONS

DC Input Voltage Range	210 to 375
Input Phase	Single
Input Voltage Range (115VAC Selected)	90 to 132 VAC
Input Voltage Range (230VAC Selected)	180 to 264 VAC
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
P.F.C. (Passive)	0.7 typ.
Power Dissipation (Vi: 230 VAC, Io norm)	35 W
Rated Input Current -Max. (Vi : 115 VAC)	5.4 A
Rated Input Current -Max. (Vi : 230 VAC)	2.2 A
Rated Input Current -Typ. (Vi : 115 VAC)	4.0 A
Rated Input Current -Typ. (Vi : 230 VAC)	1.55 A
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
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OUTPUT SPECIFICATIONS....

DC LOW Indicator Threshold after start up (Red LED)	17.6 to 19.4 VDC
DC ON Indicator Threshold at start up (Green LED)	17.6 to 19.4 VDC
Efficiency	90%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	10 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	22.5 to 28.5 VDC
Parallel Operation	3 unit
Power Back Immunity	35 VDC
Rated Continuous Loading	10A @24Vdc / 8.4A @28.5Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emissions
8	IN	L	Input terminals (phase conductor, no polarity at DC input)
9	IN	N	Input terminals (neutral conductor, no polarity at DC input)

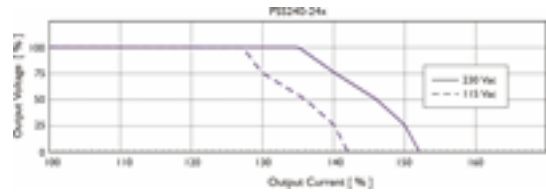
DIMENTENSIONAL DIAGRAM



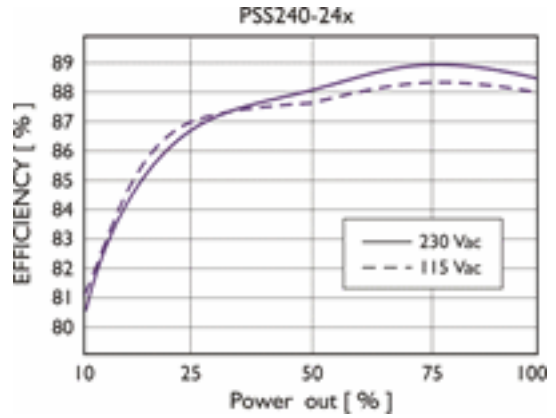
CIRCUIT SCHEMATIC



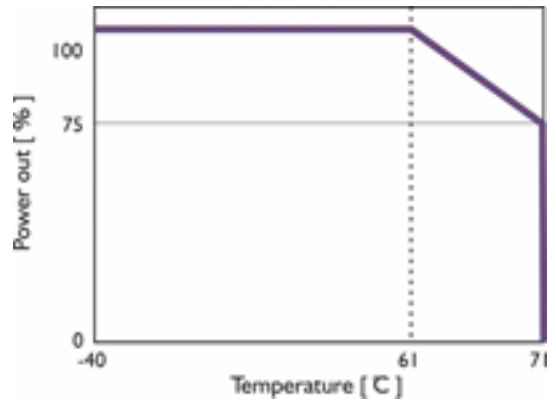
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends

INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches 8m/m stripping at cable end recommends.

PSS300/24/12.5



12.5A,300W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 -264 VAC Auto select
- Typical efficiency of 89%
- Compact design with a width of only 83.5mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-30 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	Screw terminal type L124.5 X W83.5 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	415000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	40 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	12.5 A
Output Wattage	300 W
Input Voltage Range	90-264 VAC
Efficiency (min.)	87%
Efficiency (typ.)	89%
Standard Packing Qty	1
Cat. No.	PSS300/24/12.5

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 83.5 X 123.6 mm
Packing	1.53kg ; 16 pcs / 25.5 kg / 2.01 CUFT
Weight	1400 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3, EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (24V/E Models only) Recognized ISA 12.12.01 (Class I, Division 2, Groups A,B,C, and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T8A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	125 to 140 %
Power Ready	Threshold voltage of contact closed(at start up) 17.6-19.4 VDC Electrical isolation 500VDC Contact rating at 60VDC,0.3A
Rated over load protection	120 to 145 %

INPUT SPECIFICATIONS

DC Input Voltage Range	210 to 375
Input Phase	Single
Input Voltage Range (115VAC Selected)	90 to 132 VAC
Input Voltage Range (230VAC Selected)	180 to 264 VAC
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	35 A
Max. Inrush Current (Vi: 230 VAC)	65 A
P.F.C. (Passive)	0.7 typ.
Power Dissipation (Vi: 230 VAC, lo norm)	42 W
Rated Input Current -Max. (Vi : 115 VAC)	6.0 A
Rated Input Current -Max. (Vi : 230 VAC)	3.0 A
Rated Input Current -Typ. (Vi : 115 VAC)	4.8 A
Rated Input Current -Typ. (Vi : 230 VAC)	1.9 A
Rated Input Voltage	115 /230 VAC (auto select)

OUTPUT SPECIFICATIONS

Capacitor Load	7000 μ F
DC LOW Indicator Threshold after start up (Red LED)	17.6 to 19.4 VDC
DC ON Indicator Threshold at start up (Green LED)	17.6 to 19.4 VDC
Efficiency	90%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	12.5 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	22.5 to 28.5 VDC
Parallel Operation	3 unit
Power Back Immunity	35 VDC
Rated Continuous Loading	12.5A @24Vdc / 10.5A @28.5Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

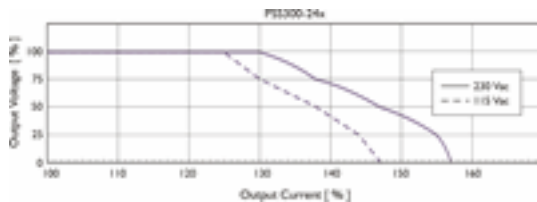
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch (Except 24V/E models)
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emissions
8	IN	L	Input terminals (phase conductor, no polarity at DC input)
9	IN	N	Input terminals (neutral conductor, no polarity at DC input)

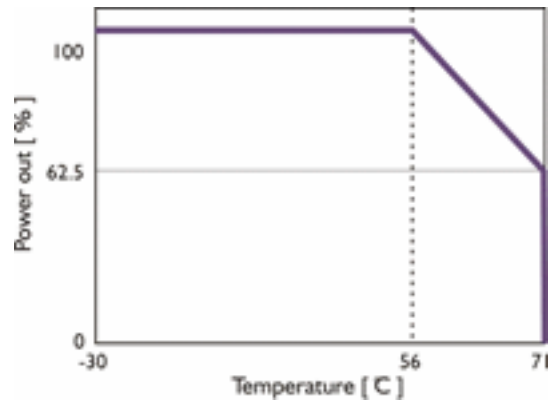
CIRCUIT SCHEMATIC



CURRENT LIMITED CURVE



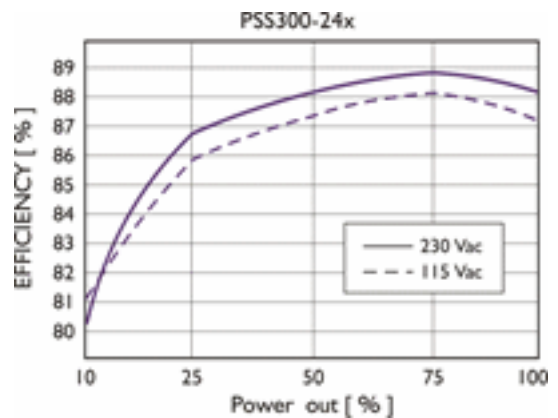
DERATING CURVE



DIMENTIONAL DIAGRAM



EFFICIENCY CURVE



CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends

INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches 8m/m stripping at cable end recommends.

PSS480/24/20



20A,480W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 89 to 264 VAC Auto select
- Typical efficiency of 89%
- Compact design with a width of only 175.50mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +56°C to +71°C (see derating curve)	2.5% per °C
Dimension	Screw terminal type L124.5 X W175.5 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	403000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	40 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	20 A
Output Wattage	480 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	86%
Efficiency (typ.)	89%
Standard Packing Qty	1
Cat. No.	PSS480/24/20

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 175.5 X 123.6 mm
Packing	2.3kg ; 8 pcs / 20kg / 2.35 CUFT
Weight	1920 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme, EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01 (Class I, Division 2, Groups A, B, C, and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T10A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	125 to 140 %
Power Ready	Threshold voltage of contact closed(at start up) 17.6-19.4 VDC Electrical isolation 500VDC Contact rating at 60VDC,0.3A
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	180 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi : 115 VAC)	25 A
Max. Inrush Current (Vi : 230 VAC)	50 A
P.F.C. (Passive)	0.99/0.97 typ.
Power Dissipation (Vi : 230 VAC, lo norm)	63 W
Rated Input Current -Max. (Vi : 115 VAC)	7 A
Rated Input Current -Max. (Vi : 230 VAC)	3.5 A
Rated Input Current -Typ. (Vi : 115 VAC)	4.9 A
Rated Input Current -Typ. (Vi : 230 VAC)	2.5 A
Rated Input Voltage	115 /230 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	17.6 to 19.4 VDC
DC ON Indicator Threshold at start up (Green LED)	17.6 to 19.4 VDC
Efficiency	89%
Fall Time	150 msec
Hold Up Time (Vi : 115VAC)	25 msec
Hold Up Time (Vi : 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %

OUTPUT SPECIFICATIONS....

Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	20 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	22.5 to 28.5 VDC
Parallel Operation	3 unit
Power Back Immunity	35 VDC
Rated Continuous Loading	20A @24Vdc / 16.8A @28.5Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

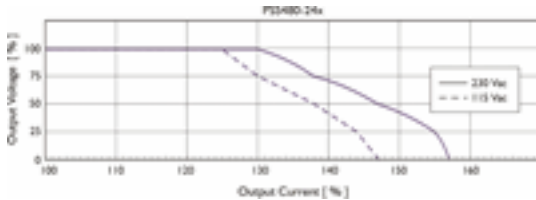
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch (Except 24V/E models)
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1,2	OUT	V-	Negative output terminal
3,4	OUT	V+	Positive output terminal
5	OUT	RDY	A normal open relaycontact for DC ON level control
6	OUT		(never connect except 24V model)
7	IN	L	Input terminals (phase conductor, no polarity at DC input)
8	IN	N	Input terminals (neutral conductor, no polarity at DC input)
9	IN	Ground	Ground this terminal to minimize high frequency emissions

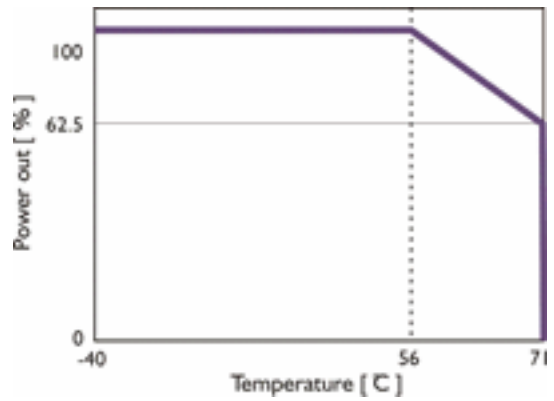
CIRCUIT SCHEMATIC



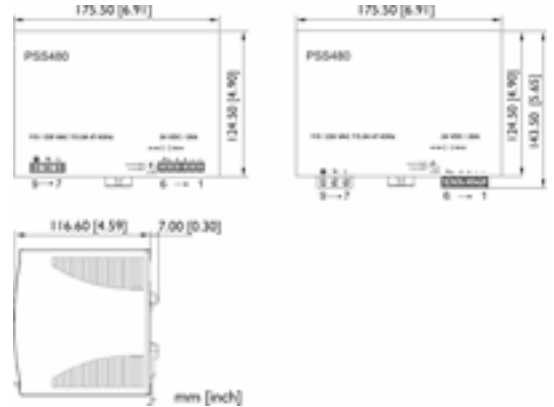
CURRENT LIMITED CURVE



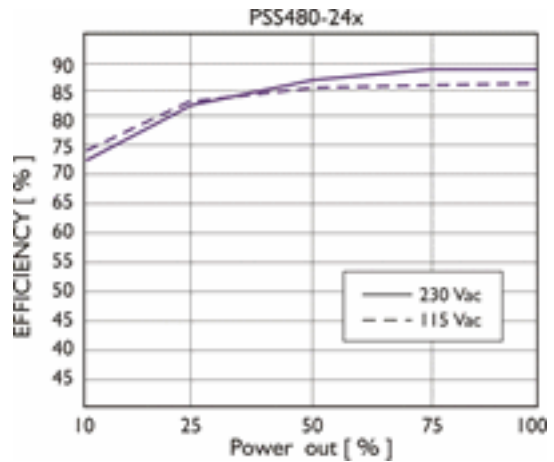
DERATING CURVE



DIMENTIONAL DIAGRAM



EFFICIENCY CURVE



CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends)

INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches 8m/m stripping at cable end recommends.

PSS30/48/0.63



0.63A,30W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 85 to 264VAC
- Typical efficiency of 86%
- Compact design with a width of only 40.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W40.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	609000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	80-135 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	625 mA
Output Wattage	30 W
Input Voltage Range	85 - 264 VAC
Efficiency (min.)	83%
Efficiency (typ.)	86%
Standard Packing Qty	1
Cat. No.	PSS30/48/0.63

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 40.5 X 114 mm
Packing	0.35 kg ; 40 pcs / 15 kg / 2.16 CUFT
Weight	270 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3, EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 5V w/o Class 2) Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	60 to 66 VDC
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	85 to 264
DC Input Voltage Range	90 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	4.9 W
Rated Input Current -Max. (Vi : 115 VAC)	800 mA
Rated Input Current -Typ. (Vi : 115 VAC)	560 mA
Rated Input Current -Typ. (Vi : 230 VAC)	330 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 μ F
DC ON Indicator Threshold at start up (Green LED)	37 to 43VDC
Efficiency	86%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation	+/- 0.5 %
Minimum Load	0 %
Output Current	625 mA
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	48 to 55 VDC
Power Back Immunity	63 VDC
Rated Continuous Loading	0.625A @48Vdc / 0.54A @55Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	2000 msec

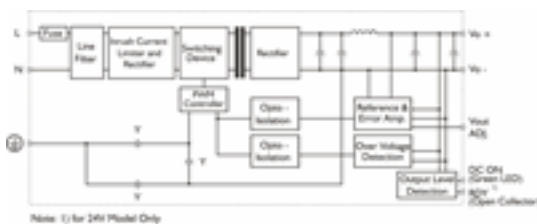
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	DC OK output for relay (not connect except 24V model)
2	OUT	+	Positive output terminal
3	OUT	+	Positive output terminal
4	OUT	-	Negative output terminal
5	OUT	-	Negative output terminal
6	IN	Ground	Ground this terminal to minimize high frequency emissions
7	IN	N	Input terminals (neutral conductor, no polarity at DC input)
8	IN	L	Input terminals (phase conductor, no polarity at DC input)

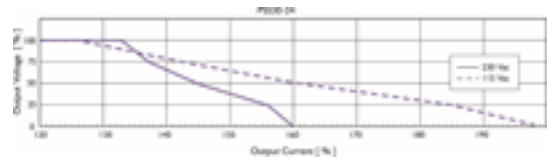
DIMENTIONAL DIAGRAM



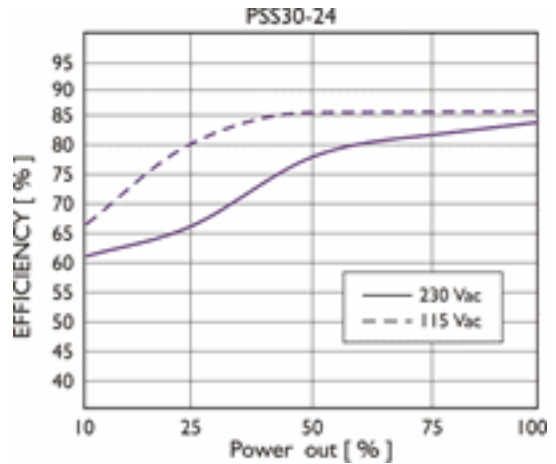
CIRCUIT SCHEMATIC



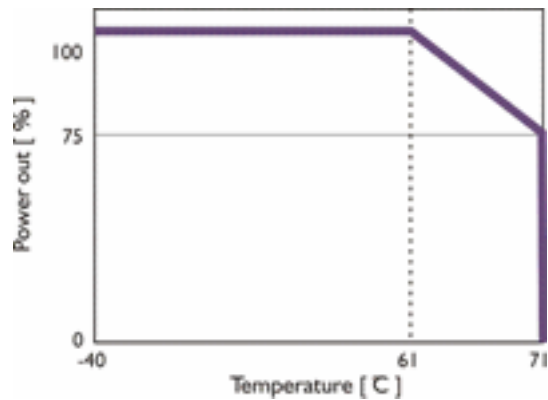
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



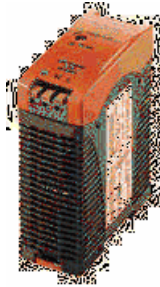
INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends. Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: AWG24-14 (0.2-2mm²) flexible / solid cable, 10 m/m stripping at cable end recommends Use copper conductors only, 60 / 75 C

PSS60/48/1.25



1.25A,60W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 85 to 264VAC
- Typical efficiency of 89%
- Compact design with a width of only 40.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W40.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	531000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55-90 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	1250 mA
Output Wattage	60 W
Input Voltage Range	85 - 264 VAC
Efficiency (min.)	86%
Efficiency (typ.)	89%
Standard Packing Qty	1
Cat. No.	PSS60/48/1.25

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 40.5 X 114 mm
Packing	0.41kg ; 40 pcs / 17.5 kg / 2.16 CUFT
Weight	340 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 5V,12V w/o Class 2) Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	60.0 to 66.0 VDC
Rated over load protection	110 to 150 %

INPUT SPECIFICATIONS

AC Input Voltage Range	85 to 264
DC Input Voltage Range	90 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	7.8 W
Rated Input Current -Max. (Vi : 115 VAC)	1500 mA
Rated Input Current -Typ. (Vi : 115 VAC)	1060 mA
Rated Input Current -Typ. (Vi : 230 VAC)	590 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
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OUTPUT SPECIFICATIONS....

DC ON Indicator Threshold at start up (Green LED)	37.0 to 43.0 VDC
Efficiency	89%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation	+/- 0.5 %
Minimum Load	0 %
Output Current	1250 mA
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	48 to 55 VDC
Power Back Immunity	63 VDC
Rated Continuous Loading	1.25A @48Vdc / 1.08A @55Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

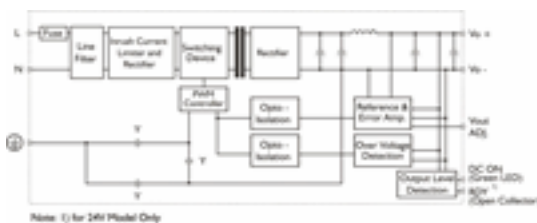
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	DC OK output for relay (not connect except 24V model)
2	OUT	+	Positive output terminal
3	OUT	+	Positive output terminal
4	OUT	-	Negative output terminal
5	OUT	-	Negative output terminal
6	IN	Ground	Ground this terminal to minimize high frequency emissions
7	IN	N	Input terminals (neutral conductor, no polarity at DC input)
8	IN	L	Input terminals (phase conductor, no polarity at DC input)

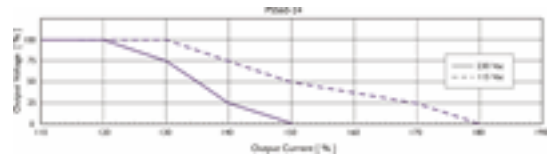
DIMENTIONAL DIAGRAM



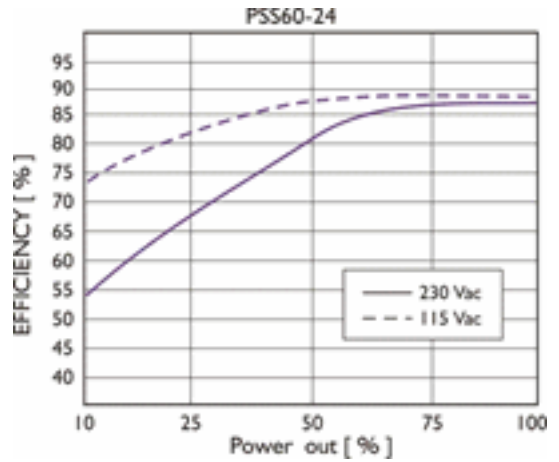
CIRCUIT SCHEMATIC



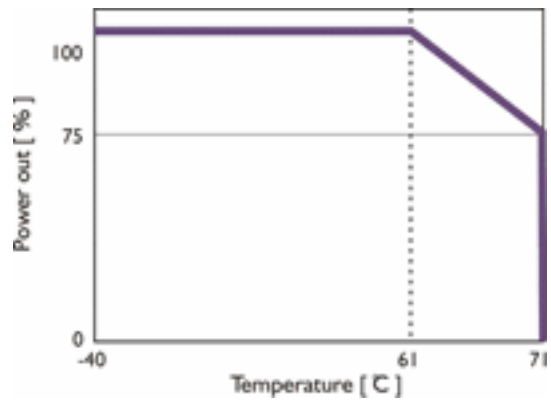
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends. Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: AWG24-14 (0.2-2mm²) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PSS100/48/2.1



2.1A,100W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 /264VAC Auto select
- Typical efficiency of 88%
- Compact design with a width of only 54mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-35 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	L90 X W54 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	490000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	2.1 A
Output Wattage	100.8 W
Input Voltage Range	90-264 VAC
Efficiency (min.)	86%
Efficiency (typ.)	88%
Standard Packing Qty	1
Cat. No.	PSS100/48/2.1

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 54 X 114 mm
Packing	0.51kg ; 32 pcs / 17.5 kg / 1.85 CUFT
Weight	430 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 24V/E w/o Class 2) Recognized
Vibration resistance:	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	60 to 66 VDC
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
Power Dissipation (Vi: 230 VAC, Io norm)	14 W
Rated Input Current -Typ. (Vi : 115 VAC)	1.65 A
Rated Input Current -Typ. (Vi : 230 VAC)	0.83 A
Rated Input Current -Typ. (Vi : 90 VAC)	2.4 A
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	37.0 to 43.0 VDC
DC ON Indicator Threshold at start up (Green LED)	37.0 to 43.0 VDC

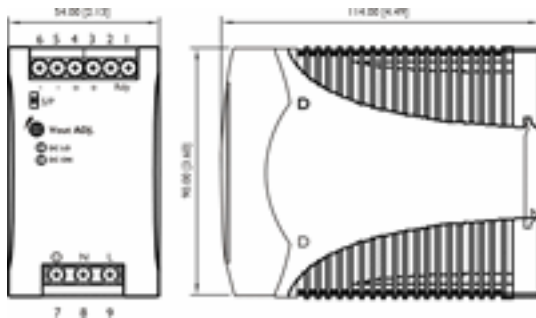
OUTPUT SPECIFICATIONS.....

Efficiency	88%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	15 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	2.1 A
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	47 to 56 VDC
Parallel Operation	3 unit
Power Back Immunity	63 VDC
Rated Continuous Loading	2.1A @48Vdc / 1.8A @56Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emissions
8	IN	N	Input terminals (neutral conductor, no polarity at DC input)
9	IN	L	Input terminals (phase conductor, no polarity at DC input)

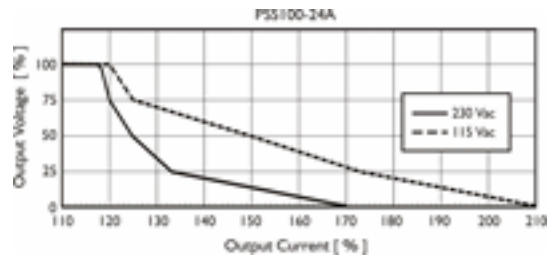
DIMENTISONAL DIAGRAM



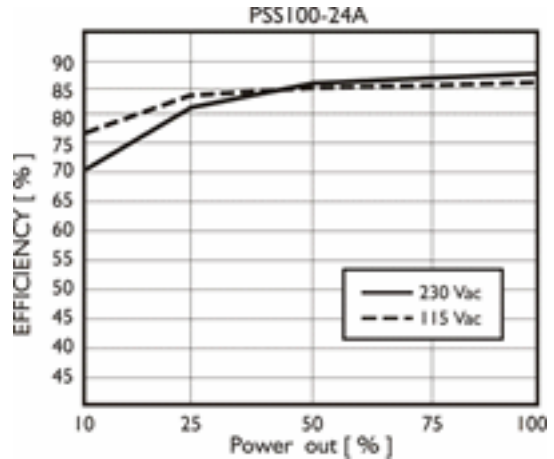
CIRCUIT SCHEMATIC



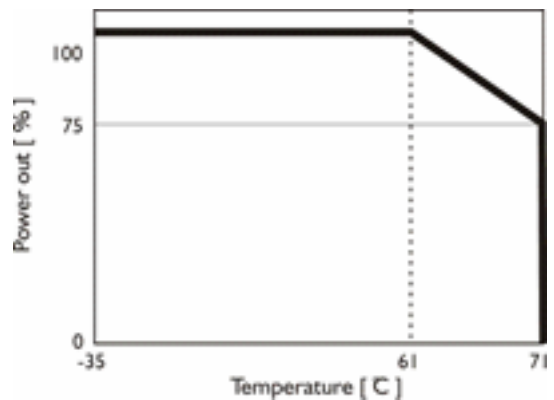
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches

CONNECTION DETAILS

Screw terminal:AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches.

PSS120/48/2.5



2.5A,120W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 115 /230 VAC Auto select
- Typical efficiency of 87%
- Compact design with a width of only 64mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-35 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Screw terminal type L124.5 X W64 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	482000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	2.5 A
Output Wattage	120 W
Input Voltage Range	90-264 VAC
Efficiency (min.)	85%
Efficiency (typ.)	87%
Standard Packing Qty	1
Cat. No.	PSS120/48/2.5

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 64 X 123.6 mm
Packing	1.02kg ; 20 pcs / 21.5 kg / 2.01 CUFT
Weight	920 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (24V/E Models only) Recognized ISA 12.12.01 (Class I, Division 2, Groups A,B,C, and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	125 to 140 %
Rated over load protection	110 to 145 %

INPUT SPECIFICATIONS

DC Input Voltage Range	210 to 375
Input Phase	Single
Input Voltage Range (115VAC Selected)	90 to 132 VAC
Input Voltage Range (230VAC Selected)	180 to 264 VAC
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	24 A
Max. Inrush Current (Vi: 230 VAC)	48 A
P.F.C. (Passive)	0.7 typ.
Power Dissipation (Vi: 230 VAC, Io norm)	19 W
Rated Input Current -Max. (Vi : 115 VAC)	2.8 A
Rated Input Current -Max. (Vi : 230 VAC)	1.4 A
Rated Input Current -Typ. (Vi : 115 VAC)	2.2 A
Rated Input Current -Typ. (Vi : 230 VAC)	0.83 A
Rated Input Voltage	115 /230 VAC (auto select)

OUTPUT SPECIFICATIONS

Capacitor Load	3500 μ F
DC LOW Indicator Threshold after start up (Red LED)	37.0 to 43.0 VDC
DC ON Indicator Threshold at start up (Green LED)	37.0 to 43.0 VDC
Efficiency	87%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	2.5 A
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	45 to 55 VDC
Parallel Operation	3 unit
Power Back Immunity	63 VDC
Rated Continuous Loading	2.5A @48Vdc / 2.1A @55Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emissions
8	IN	L	Input terminals (phase conductor, no polarity at DC input)
9	IN	N	Input terminals (neutral conductor, no polarity at DC input)

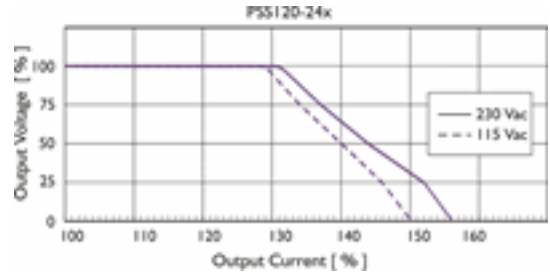
DIMENTISONAL DIAGRAM



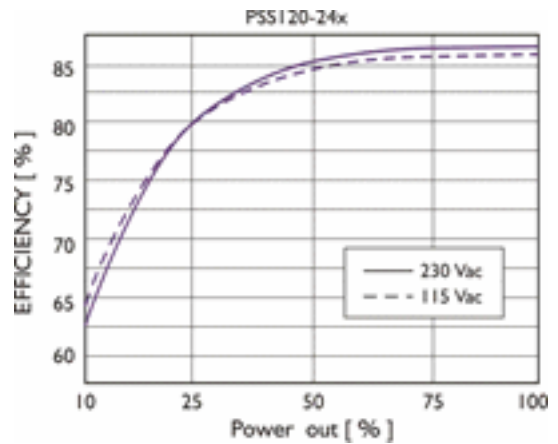
CIRCUIT SCHEMATIC



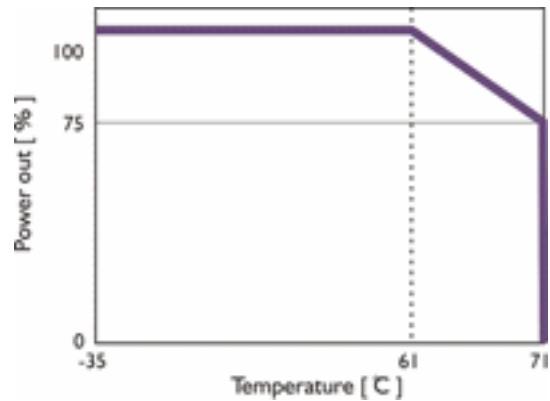
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended. Connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches. 8m/m stripping at cable end recommends. Use copper conductors only, 60/75°C

CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends

PSS240/48/5



5A,240W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 to 264 VAC Auto select
- Typical efficiency of 90%
- Compact design with a width of only 83.5mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% / °C
Dimension	Screw terminal type L124.5 X W83.5 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	437000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	40 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	5 A
Output Wattage	240 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	88%
Efficiency (typ.)	90%
Standard Packing Qty	1
Cat. No.	PSS240/48/5

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 83.5 X 123.6 mm
Packing	1.5kg ; 16 pcs / 25 kg / 2.01 CUFT
Weight	1380g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH2I	Insulated Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3, EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme, EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (24V/E Models only) Recognized ISA 12.12.01 (Class I, Division 2, Groups A, B, C, and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T6.3A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	125 to 140 %
Rated over load protection	120 to 145 %

INPUT SPECIFICATIONS

DC Input Voltage Range	210 to 375
Input Phase	Single
Input Voltage Range (115VAC Selected)	90 to 132 VAC
Input Voltage Range (230VAC Selected)	180 to 264 VAC
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
P.F.C. (Passive)	0.7 typ.
Power Dissipation (Vi: 230 VAC, Io norm)	32 W
Rated Input Current -Max. (Vi : 115 VAC)	5.4 A
Rated Input Current -Max. (Vi : 230 VAC)	2.2 A
Rated Input Current -Typ. (Vi : 115 VAC)	4.0 A
Rated Input Current -Typ. (Vi : 230 VAC)	1.55 A
Rated Input Voltage	115 / 230 VAC (auto select)

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	37.0 to 43.0 VDC

OUTPUT SPECIFICATIONS....

DC ON Indicator Threshold at start up (Green LED)	37.0 to 43.0 VDC
Efficiency	90%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	5 A
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	47 to 56 VDC
Parallel Operation	3 unit
Power Back Immunity	63 VDC
Rated Continuous Loading	5A @48Vdc / 4.2A @56Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emissions
8	IN	L	Input terminals(phase conductor, no polarity at DC input)
9	IN	N	Input terminals (neutral conductor, no polarity at DC input)

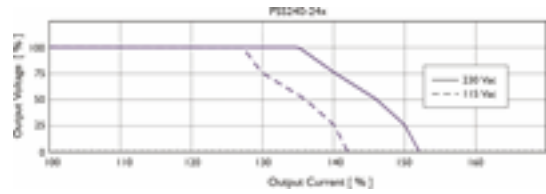
DIMENTISONAL DIAGRAM



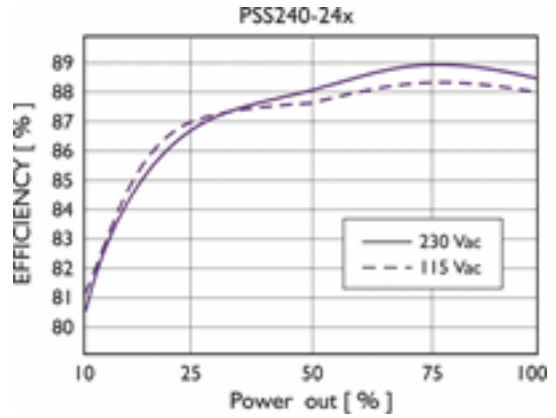
CIRCUIT SCHEMATIC



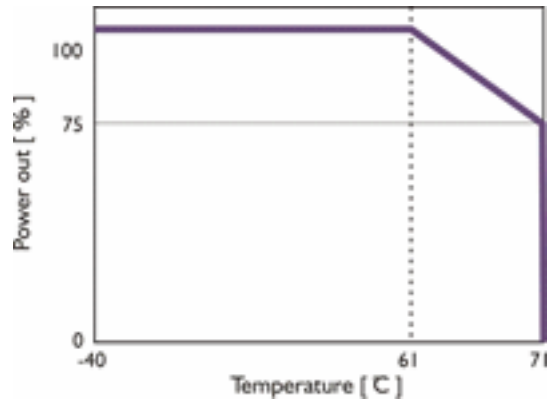
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches 8m/m stripping at cable end recommends.

CONNECTION DETAILS

Screw terminal: 2 AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends

PSS300/48/6.25



6.25A,300W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 -264 VAC Auto select
- Typical efficiency of 90%
- Compact design with a width of only 83.5mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-30 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	Screw terminal type L124.5 X W83.5 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	431000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	40 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	6.25 A
Output Wattage	300 W
Input Voltage Range	90-264 VAC
Efficiency (min.)	88%
Efficiency (typ.)	90%
Standard Packing Qty	1
Cat. No.	PSS300/48/6.25

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 175.5 X 123.6 mm
Packing	1.53kg ; 16 pcs / 25.5 kg / 2.01 CUFT
Weight	1400 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3, EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (24V/E Models only) Recognized ISA 12.12.01 (Class I, Division 2, Groups A, B, C, and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T8A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	125 to 140 %
Rated over load protection	120 to 145 %

INPUT SPECIFICATIONS

DC Input Voltage Range	210 to 375
Input Phase	Single
Input Voltage Range (115VAC Selected)	90 to 132 VAC
Input Voltage Range (230VAC Selected)	180 to 264 VAC
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	35 A
Max. Inrush Current (Vi: 230 VAC)	65 A
P.F.C. (Passive)	0.7 typ.
Power Dissipation (Vi: 230 VAC, Io norm)	40 W
Rated Input Current -Max. (Vi : 115 VAC)	6.0 A
Rated Input Current -Max. (Vi : 230 VAC)	3.0 A
Rated Input Current -Typ. (Vi : 115 VAC)	4.8 A
Rated Input Current -Typ. (Vi : 230 VAC)	1.9 A
Rated Input Voltage	115 /230 VAC (auto select)

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	37.0 to 43.0 VDC

OUTPUT SPECIFICATIONS....

DC ON Indicator Threshold at start up (Green LED)	37.0 to 43.0 VDC
Efficiency	90%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	6.25 A
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	47 to 56 VDC
Parallel Operation	3 unit
Power Back Immunity	63 VDC
Rated Continuous Loading	6.25A @48Vdc / 5.35A @56Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

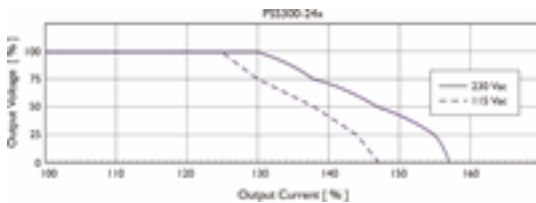
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch (Except 24V/E models)
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emissions
8	IN	L	Input terminals (phase conductor, no polarity at DC input)
9	IN	N	Input terminals (neutral conductor, no polarity at DC input)

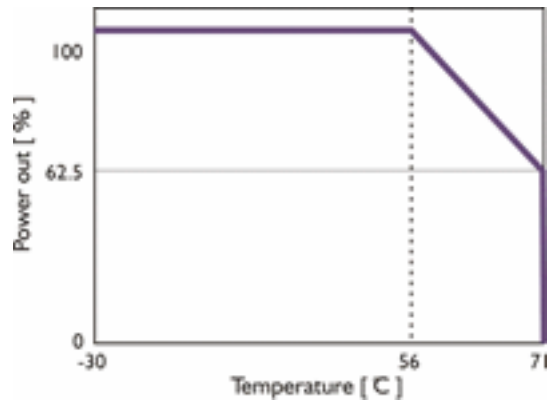
CIRCUIT SCHEMATIC



CURRENT LIMITED CURVE



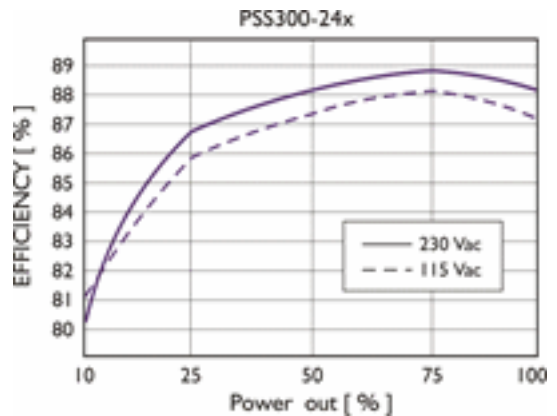
DERATING CURVE



DIMENTIONAL DIAGRAM



EFFICIENCY CURVE



INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches 8m/m stripping at cable end recommends.

CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends

PSS480/48/10



10A,480W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 to 264 VAC Auto select
- Typical efficiency of 90%
- Compact design with a width of only 175.50mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +56°C to +71°C (see derating curve)	2.5% / °C
Dimension	Screw terminal type L124.5 X W175.5 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	416000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	40 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	10 A
Output Wattage	480 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	87%
Efficiency (typ.)	90%
Standard Packing Qty	1
Cat. No.	PSS480/48/10

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 175.5 X 123.6 mm
Packing	2.3kg ; 8 pcs / 20kg / 2.35 CUFT
Weight	1920 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme, EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01 (Class I, Division 2, Groups A, B, C, and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T10A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	125 to 140 %
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	180 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	25 A
Max. Inrush Current (Vi: 230 VAC)	50 A
P.F.C. (Passive)	0.99/0.97 typ.
Power Dissipation (Vi: 230 VAC, Io norm)	60 W
Rated Input Current -Max. (Vi : 115 VAC)	7 A
Rated Input Current -Max. (Vi : 230 VAC)	3.5 A
Rated Input Current -Typ. (Vi : 115 VAC)	4.9 A
Rated Input Current -Typ. (Vi : 230 VAC)	2.5 A
Rated Input Voltage	115 /230 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	37.0 to 43.0 VDC
DC ON Indicator Threshold at start up (Green LED)	37.0 to 43.0 VDC
Efficiency	90%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %

OUTPUT SPECIFICATIONS....

Output Current	10 A
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	47 to 56 VDC
Parallel Operation	3 unit
Power Back Immunity	63 VDC
Rated Continuous Loading	10A @48Vdc / 8.5A @56Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

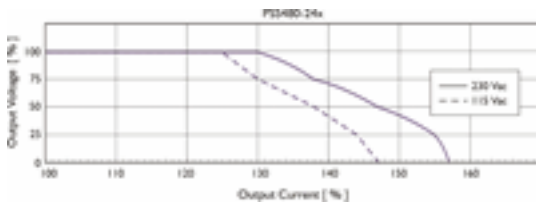
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch (Except 24V/E models)
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1,2	OUT	V-	Negative output terminal
3,4	OUT	V+	Positive output terminal
5	OUT	RDY	A normal open relaycontact for DC ON level control
6	OUT		(never connect except 24V model)
7	IN	L	Input terminals (phase conductor, no polarity at DC input)
8	IN	N	Input terminals (neutral conductor, no polarity at DC input)
9	IN	Ground	Ground this terminal to minimize high frequency emissions

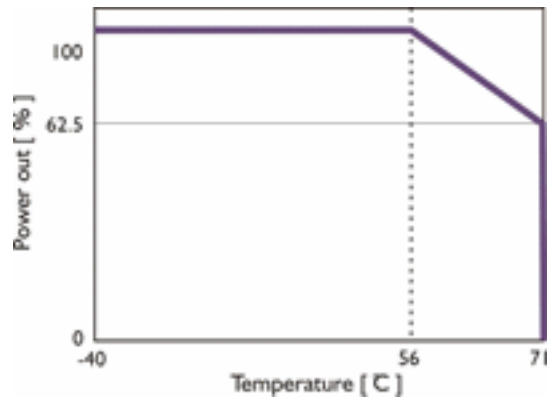
CIRCUIT SCHEMATIC



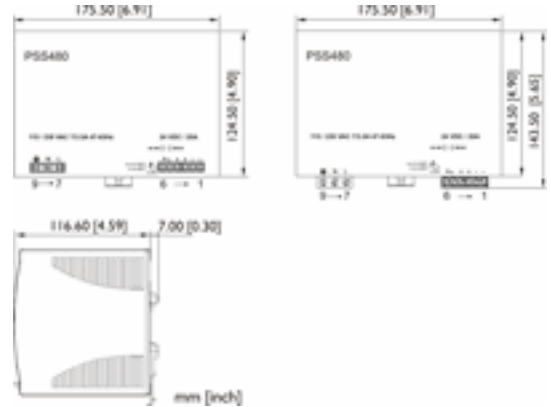
CURRENT LIMITED CURVE



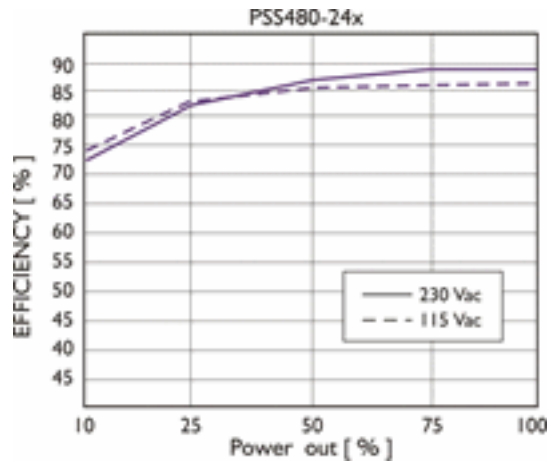
DERATING CURVE



DIMENTIONAL DIAGRAM



EFFICIENCY CURVE



INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches 8m/m stripping at cable end recommends.

CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends

PST120/12/10



10A ,3 Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 89%
- Compact design with a width of only 74.3 mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L124 x W74.3 x D118.8
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	527000 hr
Pollution Degree	2
Relative Humidity Range	20-95 % RH
Switching Frequency (typ.)	70 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	10 A
Output Wattage	120 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	85%
Efficiency (typ.)	87%
Standard Packing Qty	1
Cat. No.	PST120/12/10

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124 x 74.3 x 118.8 mm
Packing	800 g
Weight	0.92 kg ; 20 pcs / 19.5 kg / 2.02 CUFT

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
CQC	GB4943, GB9254, GB17625.1
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	2 A / 600 VAC internal / phase
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	14.5 - 17.4 VDC
Rated over load protection	115 - 135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	3 Phase
Inrush Current	10 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Nominal Input Voltage	1Ø or 3Ø 380-480 VAC
P.F.C. (Passive)	0.55
Power Dissipation (Vi: 400 VAC, Io norm)	20 W
Rated Input Current -Max. (Vi : 400 VAC)	0.5 A
Rated Input Current -Max. (Vi : 400 VAC)	0.36 A
Rated Input Current -Typ. (Vi : 500 VAC)	0.3 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	10-11.2 VDC

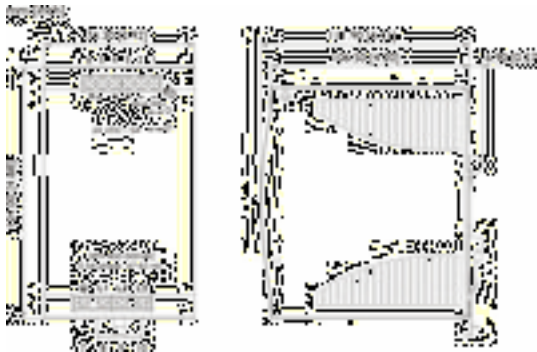
OUTPUT SPECIFICATIONS....

DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	10-11.2 VDC
Efficiency	89 %
Fall Time	150 msec
Hold Up Time	20 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	10 A
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	11.4 - 14.5 VDC
Power Back Immunity	18 VDC
Rated Continuous Loading	10 A @ 12Vdc / 8.2 A @ 14.5 Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

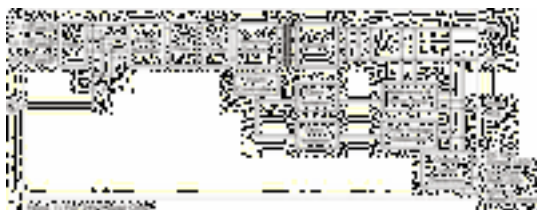
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	Trimmer-potentiometer for Vout adjustment
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V -	Negative output terminal
10	IN	L3	Input terminals
2	OUT	V -	Negative output terminal
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)
6	OUT	RDY	(Never connect except 24V model)
7	IN	Earth	Ground this terminal to minimize high-frequency emissions
8	IN	L1	Input terminals
9	IN	L2	Input terminals

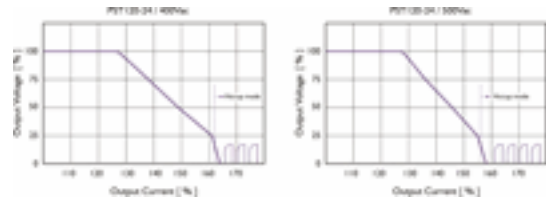
DIMENTISONAL DIAGRAM



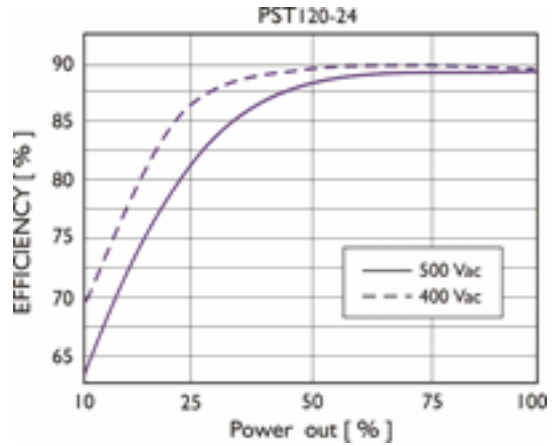
CIRCUIT SCHEMATIC



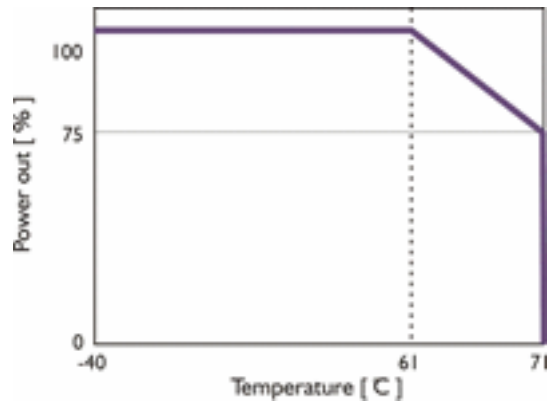
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

AWG24-10 (0.2-4mm²) flexible / solid cable,- Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches.8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PST120/24/5



5A ,3 Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 89%
- Compact design with a width of only 74.3 mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L124 x W74.3 x D118.8
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	559000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	70 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	5 A
Output Wattage	120 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	87%
Efficiency (typ.)	89 %
Standard Packing Qty	1
Cat. No.	PST120/24/5

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124 x 74.3 x 118.8 mm
Packing	800 g
Weight	0.92 kg ; 20 pcs / 19.5 kg / 2.02 CUFT

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
CQC	GB4943, GB9254, GB17625.1
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	2 A / 600 VAC internal / phase
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	30 - 33 VDC
Power Ready	17.6 - 19.4 VDC
Rated over load protection	115 - 135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	3 Phase
Inrush Current	10 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Nominal Input Voltage	1Ø or 3Ø 380~480 VAC
P.F.C. (Passive)	0.55
Power Dissipation (Vi: 400 VAC, Io norm)	16 W
Rated Input Current -Max. (Vi : 400 VAC)	0.5 A
Rated Input Current -Max. (Vi : 400 VAC)	0.36 A
Rated Input Current -Typ. (Vi : 500 VAC)	0.3 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

DC LOW Indicator Threshold after start up (Red LED)	17.6-19.4 VDC
DC On Indicator	

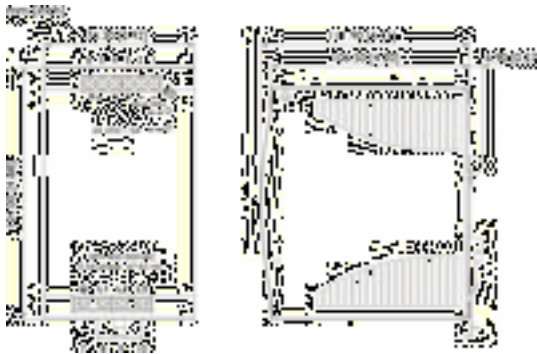
OUTPUT SPECIFICATIONS....

	Green
DC ON Indicator Threshold at start up (Green LED)	17.6-19.4 VDC
Efficiency	89 %
Hold Up Time	20 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	5 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	22.5 - 28.5 VDC
Power Back Immunity	35 VDC
Rated Continuous Loading	5 A @ 24Vdc / 4.2 A @ 28.5 Vdc
	100 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	Trimmer-potentiometer for Vout adjustment
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V -	Negative output terminal
10	IN	L3	Input terminals
2	OUT	V -	Negative output terminal
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)
6	OUT	RDY	(Never connect except 24V model)
7	IN	Earth	Ground this terminal to minimize high-frequency emissions
8	IN	L1	Input terminals
9	IN	L2	Input terminals

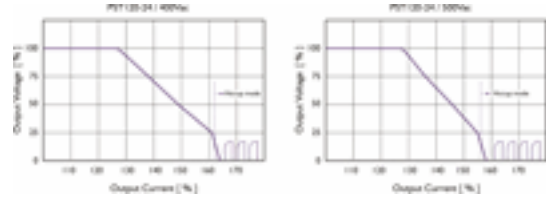
DIMENTSIONAL DIAGRAM



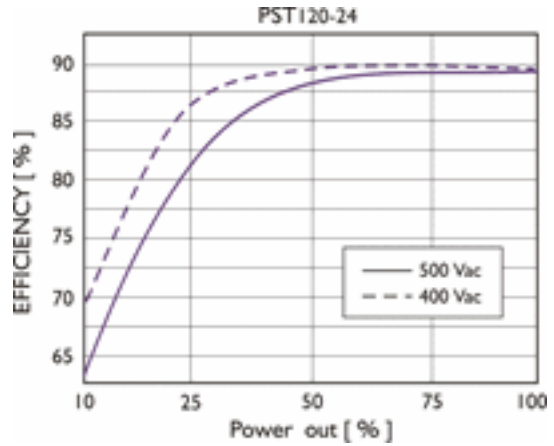
CIRCUIT SCHEMATIC



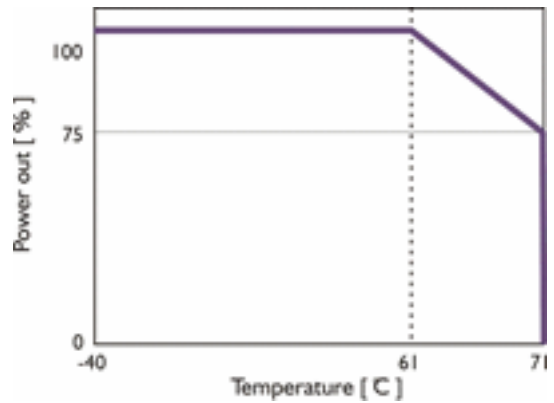
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

AWG24-10 (0.2-4mm²) flexible / solid cable,- Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches.8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

PST240/24/10



10A ,3 Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 90%
- Compact design with a width of only 89 mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L124 x W89 x D118.8
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	488000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	25 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	10 A
Output Wattage	240 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	88%
Efficiency (typ.)	90%
Standard Packing Qty	1
Cat. No.	PST240/24/10

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124 x 89 x 118.8 mm
Packing	1.18 kg ; 16 pcs / 20 kg / 2.01 CUFT
Weight	1100 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
CQC	GB4943, GB9254, GB17625.1
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	2 A / 600 VAC internal / phase
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	30 - 33 VDC
Power Ready	17.6 - 19.4 VDC
Rated over load protection	120 -140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	3 Phase
Inrush Current	20 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current	25 A
Nominal Input Voltage	1Ø or 3Ø 380-480 VAC
P.F.C. (Passive)	0.55
Power Dissipation (Vi: 400 VAC, lo norm)	30 W
Rated Input Current -Max. (Vi : 400 VAC)	0.85 A
Rated Input Current -Max. (Vi : 400 VAC)	0.65 A
Rated Input Current -Typ. (Vi : 500 VAC)	0.55 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
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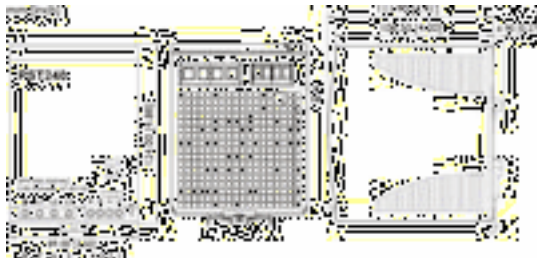
OUTPUT SPECIFICATIONS....

DC LOW Indicator Threshold after start up (Red LED)	17.6-19.4 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	17.6-19.4 VDC
Efficiency	90 %
Fall Time	150 msec
Hold Up Time	20 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	10 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	22.5 - 28.5 VDC
Parallel Operation	2 Units
Power Back Immunity	35 VDC
Rated Continuous Loading	10 A @ 24Vdc / 8.4 A @ 28.5 Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	Trimmer-potentiometer for Vout adjustment
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch (Except 24V/E models)
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V -	Negative output terminal
10	OUT		(Never connect except 24V model)
2	OUT	V -	Negative output terminal
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	IN	L3	Input terminals
6	IN	L2	Input terminals
7	IN	L1	Input terminals
8	IN	Earth	Ground this terminal to minimize high-frequency emissions
9	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)

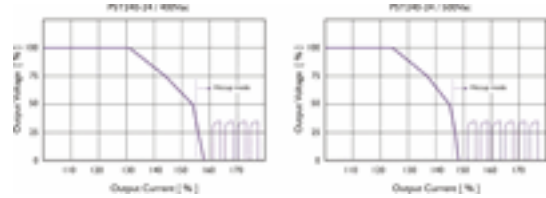
DIMENTENSIONAL DIAGRAM



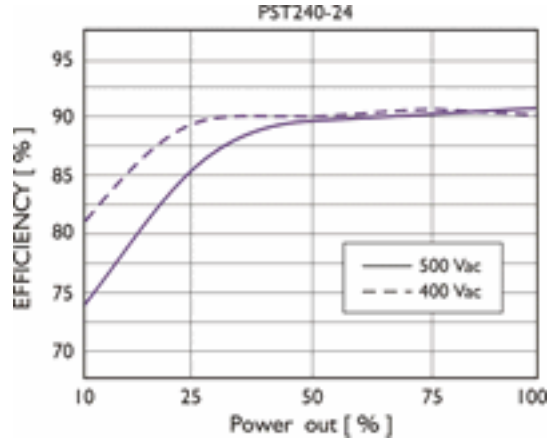
CIRCUIT SCHEMATIC



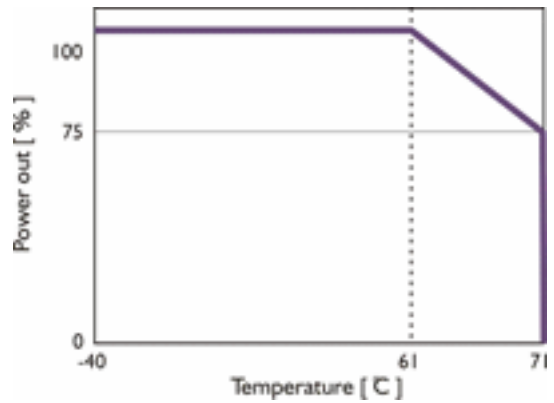
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

AWG24-10 (0.2-4mm²) flexible / solid cable,- Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches.8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

PST240/48/5



5A ,3 Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 91%
- Compact design with a width of only 89 mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L124 x W89 x D118.8
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	519000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	25 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	5 A
Output Wattage	240 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	89%
Efficiency (typ.)	91 %
Standard Packing Qty	1
Cat. No.	PST240/48/5

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124 x 89 x 118.8 mm
Packing	1.18 kg ; 16 pcs / 20 kg / 2.01 CUFT
Weight	1100 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
CQC	GB4943, GB9254, GB17625.1
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	2 A / 600 VAC internal / phase
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	60 -68 VDC
Rated over load protection	120 -140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	3 Phase
Inrush Current	20 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current	25 A
Nominal Input Voltage	1Ø or 3Ø 380-480 VAC
P.F.C. (Passive)	0.55
Power Dissipation (Vi: 400 VAC, Io norm)	24 W
Rated Input Current -Max. (Vi : 400 VAC)	0.85 A
Rated Input Current -Max. (Vi : 400 VAC)	0.65 A
Rated Input Current -Typ. (Vi : 500 VAC)	0.65 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up	37-43 VDC

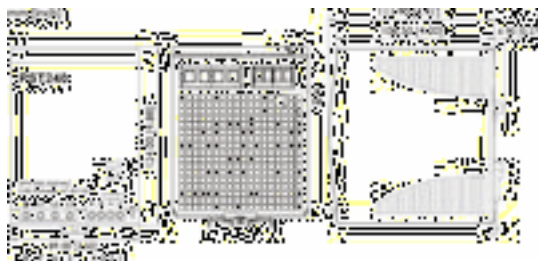
OUTPUT SPECIFICATIONS....

(Red LED)	
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	37-43VDC
Efficiency	91 %
Fall Time	150 msec
Hold Up Time	20 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	5 A
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	47 - 56 VDC
Parallel Operation	2 Units
Power Back Immunity	63 VDC
Rated Continuous Loading	5 A @ 48Vdc / 4.2 A @ 56Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V -	Negative output terminal
10	OUT	RDY	(never connect except 24V model)
2	OUT	V -	Negative output terminal
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	IN	L3	Input terminals
6	IN	L2	Input terminals
7	IN	L1	Input terminals
8	IN	GND	Ground this terminal to minimize high frequency emissions
9	OUT	RDY	A normal open relaycontact for DC ON level control

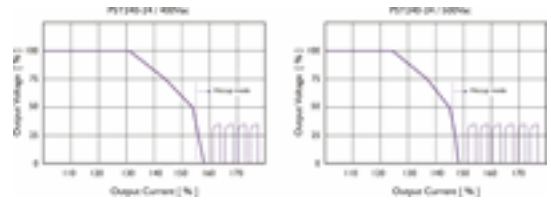
DIMENTISONAL DIAGRAM



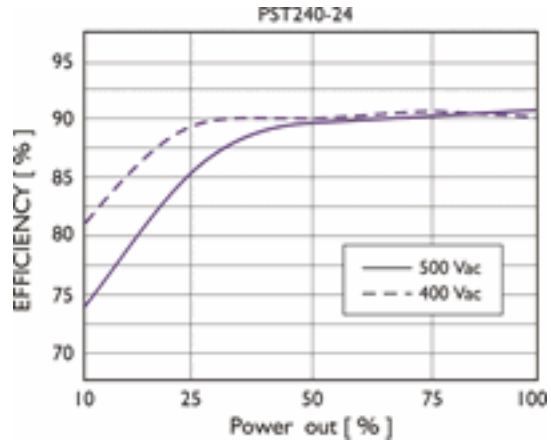
CIRCUIT SCHEMATIC



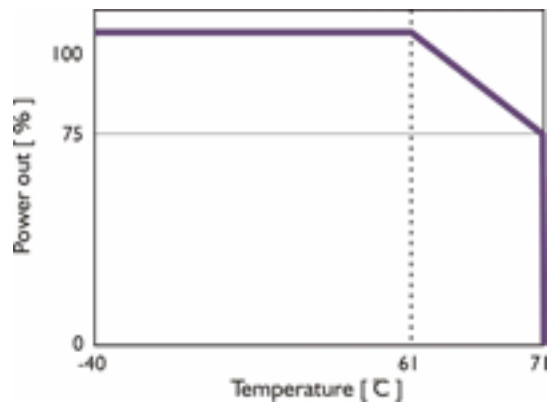
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches.8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PST480/24/20



20A ,3 Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 90%
- Compact design with a width of only 150 mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-30 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L124 x W150 x D118.8
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	411000 hr
Pollution Degree	2
Relative Humidity Range	20-95 % RH
Switching Frequency (typ.)	80 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	20 A
Output Wattage	480 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	88%
Efficiency (typ.)	90%
Standard Packing Qty	1
Cat. No.	PST480/24/20

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124 x 150 x 118.8 mm
Packing	2kg ; 8 pcs / 17.5kg / 2.17CUFT
Weight	1720g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
CQC	GB4943, GB9254, GB17625.1
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme EN 61558-1, EN 61558-2-17 (meet EN 60204-1)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15 A / 500 VAC internal / phase
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Continuous: Fold forward / Discontinuous: Delay 3S shut-down. After 30S Auto-restart
Over voltage protection	30 - 33 VDC
Power Ready	17.6 - 19.4 VDC
Rated over load protection	110-135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	3 Phase
Inrush Current	20 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current	25 A
Nominal Input Voltage	1Ø or 3Ø 380-480 VAC
P.F.C. (Passive)	0.65
Power Dissipation (Vi: 400 VAC, Io norm)	58 W
Rated Input Current -Max. (Vi : 400 VAC)	1.4 A
Rated Input Current -Max. (Vi : 400 VAC)	1.1 A
Rated Input Current -Typ. (Vi : 500 VAC)	0.93 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	17.6-19.4 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	17.6-19.4 VDC
Efficiency	91%
Fall Time	150 msec
Hold Up Time	20 msec
Line Regulation	+/- 1 %

OUTPUT SPECIFICATIONS....

Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	20 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	22.5 - 28.5 VDC
Parallel Operation	2 Units
Power Back Immunity	35 VDC
Rated Continuous Loading	20 A @ 24Vdc / 16.8 A @ 28.5Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

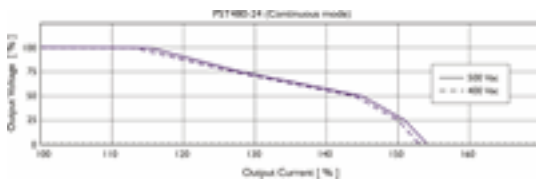
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	C / D	Continuous / Discontinuous
	OTHER	DC LO	Trimmer-potentiometer for Vout adjustment
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch (Except 24V/E models)
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V -	Negative output terminal
10	OUT		(Never connect except 24V model)
2	OUT	V -	Negative output terminal
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	IN	L3	Input terminals
6	IN	L2	Input terminals
7	IN	L1	Input terminals
8	IN	Earth	Ground this terminal to minimize high-frequency emissions
9	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)

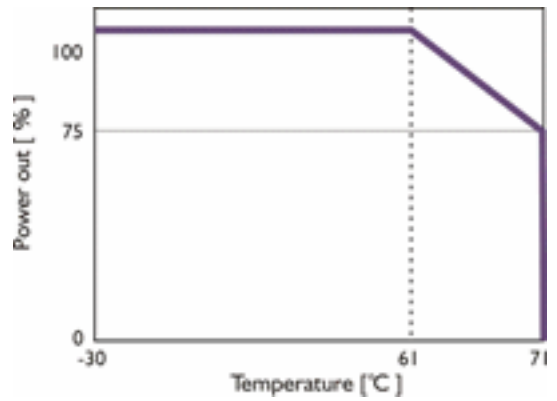
CIRCUIT SCHEMATIC



CURRENT LIMITED CURVE



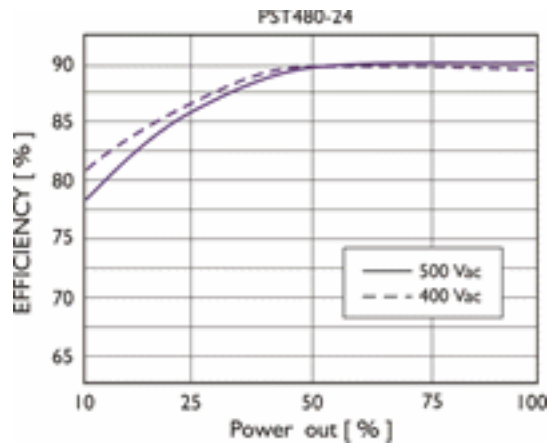
DERATING CURVE



DIMENTIONAL DIAGRAM



EFFICIENCY CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended Connector size range

CONNECTION DETAILS

Spring terminal: 2 AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PST480/48/10



10A ,3 Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 90%
- Compact design with a width of only 150 mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-30 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L124 x W150 x D118.8
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	423000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	80 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	10 A
Output Wattage	480 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	89%
Efficiency (typ.)	91 %
Standard Packing Qty	1
Cat. No.	PST480/48/10

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124 x 150 x 118.8 mm
Packing	2kg ; 8 pcs / 17.5kg / 2.17CUFT
Weight	1720g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
CQC	GB4943, GB9254, GB17625.1
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme EN 61558-1, EN 61558-2-17 (meet EN 60204-1)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15 A / 500 VAC internal / phase
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Continuous:Fold forward/Discontinuous:Delay 3S shut-down. After 30S Auto-restart
Over voltage protection	60 - 68 VDC
Rated over load protection	110-135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	3 Phase
Inrush Current	20 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current	25 A
Nominal Input Voltage	1Ø or 3Ø 380~480 VAC
P.F.C. (Passive)	0.65
Power Dissipation (Vi: 400 VAC, Io norm)	55 W
Rated Input Current -Max. (Vi : 400 VAC)	1.4 A
Rated Input Current -Max. (Vi : 400 VAC)	1.1 A
Rated Input Current -Typ. (Vi : 500 VAC)	0.93 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

DC LOW Indicator Threshold after start up (Red LED)	37-43 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	37-43 VDC
Efficiency	91 %
Fall Time	150 msec
Hold Up Time	20 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %

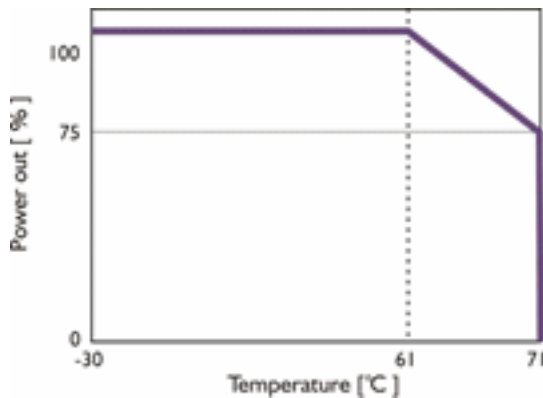
OUTPUT SPECIFICATIONS....

Minimum Load	0 %
Output Current	10 A
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	47 - 56 VDC
Parallel Operation	2 Units
Power Back Immunity	63 VDC
Rated Continuous Loading	10 A @ 48Vdc / 8.5 A @ 56Vdc
	100 mV
Rise Time	150 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	C / D	Continuous / Discontinuous
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V -	Negative output terminal
10	OUT	RDY	(Never connect except 24V model)
2	OUT	V -	Negative output terminal
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	IN	L3	Input terminals
6	IN	L2	Input terminals
7	IN	L1	Input terminals
8	IN	Earth	Ground this terminal to minimize high-frequency emissions
9	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)

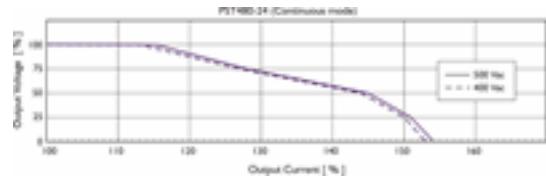
DIMENTISONAL DIAGRAM



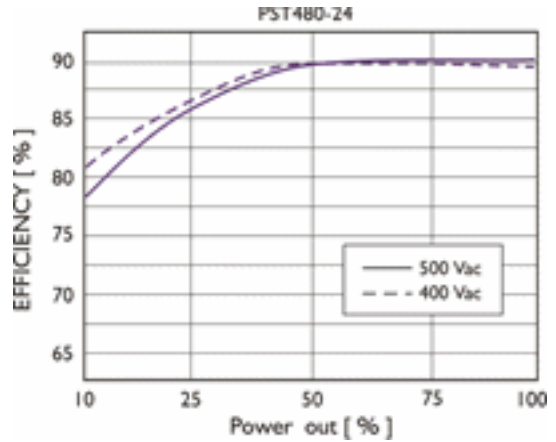
CIRCUIT SCHEMATIC



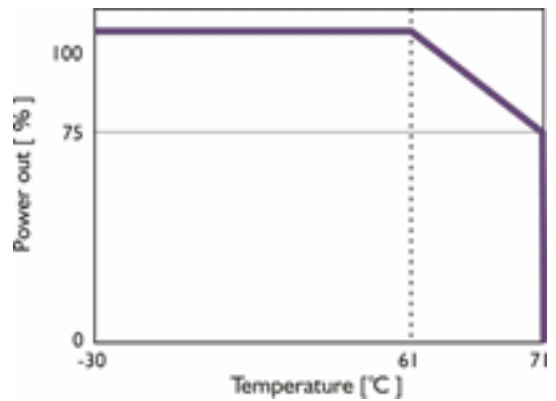
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended Connector size range

CONNECTION DETAILS

Spring terminal: 2 AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PST960/24/40



40A ,3 Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 93%
- Compact design with a width of only 275.8 mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L126.2 XW275.8 X D118.8 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	352000 hr
Pollution Degree	2
Relative Humidity Range	20-95 % RH
Switching Frequency (typ.)	52 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	40 A
Output Wattage	960 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	90 %
Efficiency (typ.)	92 %
Standard Packing Qty	1
Cat. No.	PST960/24/40

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	126.2 x 275.8 x 118.8 mm
Packing	3.68 kg ; 6 pcs / 23 kg / 2.41 CUFT
Weight	3400 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
CQC	GB4943, GB9254, GB17625.1
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme EN 61558-1, EN 61558-2-17 (meet EN 60204-1)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T5 A / 500 VAC internal / phase
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	30 - 33 VDC
Power Ready	17.6 - 19.4 VDC
Rated over load protection	120-140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	3 Phase
Inrush Current	30 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current	35 A
Nominal Input Voltage	1Ø or 3Ø 380-480 VAC
P.F.C. (Passive)	0.8
Power Dissipation	98 W
Rated Input Current -Max. (Vi : 400 VAC)	2.4 A
Rated Input Current -Max. (Vi : 400 VAC)	1.72 A
Rated Input Current -Typ. (Vi : 500 VAC)	1.5 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	17.6-19.4 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	17.6-19.4 VDC
Efficiency	93 %
Fall Time	150 msec
Hold Up Time	15 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %

OUTPUT SPECIFICATIONS....

Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	40 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	22.5 - 28.5 VDC
Parallel Operation	2 Units
Power Back Immunity	35 VDC
Rated Continuous Loading	40 A @ 24Vdc / 33.5 A @ 28.5Vdc
	80 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V -	Negative output terminal
10	IN	L2	Input terminals
11	IN	L1	Input terminals
12	IN	Earth	Ground this terminal to minimize high-frequency emissions
2	OUT	V -	Negative output terminal
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	OUT	G	Parallel GND PIN for current share
6	OUT	p	Parallel PIN for current share
7	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)
8	OUT	RDY	(Never connect except 24V model)
9	IN	L3	Input terminals

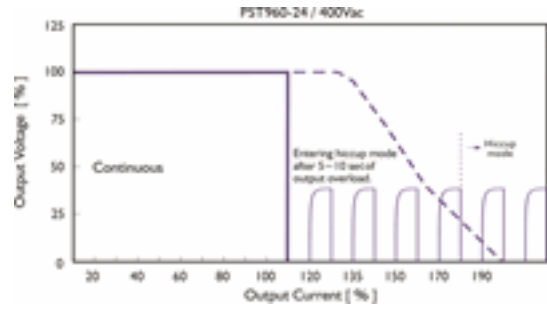
DIMENTIONAL DIAGRAM



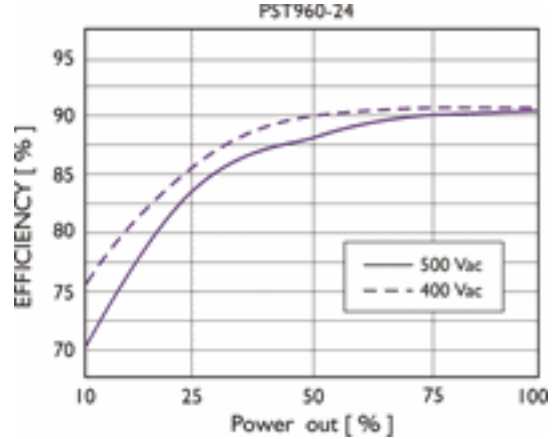
CIRCUIT SCHEMATIC



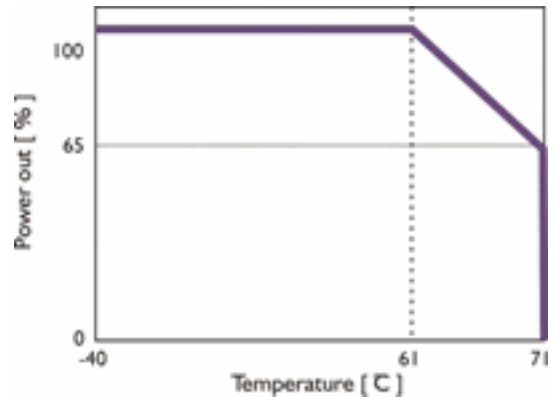
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Connector size range 2 (0.2-4mm²) flexible / solid cable. Output: AWG20-6 - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C Input and Rdy, P, G Control : AWG24 - 10 2 (0.5-10mm) flexible / solid cable - Output connector can withstand torque at maximum 15.6 pound-inches 10m/m stripping at cable end recommends

INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

PST960/24/40-E



40A ,3 Phase Din Rail Mountable Switching Power Supplies Economical

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 93%
- Compact design with a width of only 275.8 mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L126.2 XW275.8 X D118.8 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	381000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	52 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	40 A
Output Wattage	960 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	90 %
Efficiency (typ.)	92 %
Standard Packing Qty	1
Cat. No.	PST960/24/40-E

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	126.2 x 275.8 x 118.8 mm
Packing	3.68 kg ; 6 pcs / 23 kg / 2.41 CUFT
Weight	3400 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
CQC	GB4943, GB9254, GB17625.1
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme EN 61558-1, EN 61558-2-17 (meet EN 60204-1)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T5 A / 500 VAC internal / phase
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	30 - 33 VDC
Power Ready	17.6 - 19.4 VDC
Rated over load protection	120 -140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	3 Phase
Inrush Current	30 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current	35 A
Nominal Input Voltage	1Ø or 3Ø 380-480 VAC
P.F.C. (Passive)	0.8
Power Dissipation (Vi: 400 VAC, lo norm)	98 W
Rated Input Current -Max. (Vi : 400 VAC)	2.4 A
Rated Input Current -Max. (Vi : 400 VAC)	1.72 A
Rated Input Current -Typ. (Vi : 500 VAC)	1.5 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	17.6-19.4 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	17.6-19.4 VDC
Efficiency	93 %
Fall Time	150 msec
Hold Up Time	15 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %

OUTPUT SPECIFICATIONS....

Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	40 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	22.5 - 28.5 VDC
Parallel Operation	2 Units
Power Back Immunity	35 VDC
Rated Continuous Loading	40 A @ 24Vdc / 33.5 A @ 28.5Vdc
	80 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V -	Negative output terminal
10	IN	L2	Input terminals
11	IN	L1	Input terminals
12	IN	Earth	Ground this terminal to minimize high-frequency emissions
2	OUT	V -	Negative output terminal
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	OUT	G	Parallel GND PIN for current share
6	OUT	p	Parallel PIN for current share
7	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)
8	OUT	RDY	(Never connect except 24V model)
9	IN	L3	Input terminals

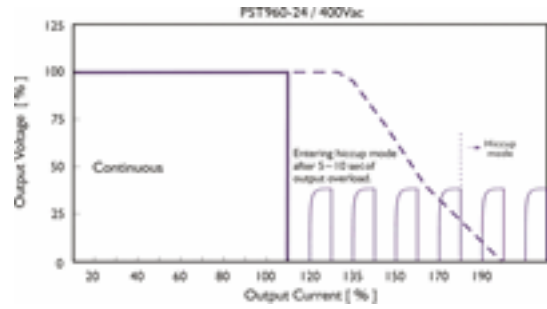
DIMENTIONAL DIAGRAM



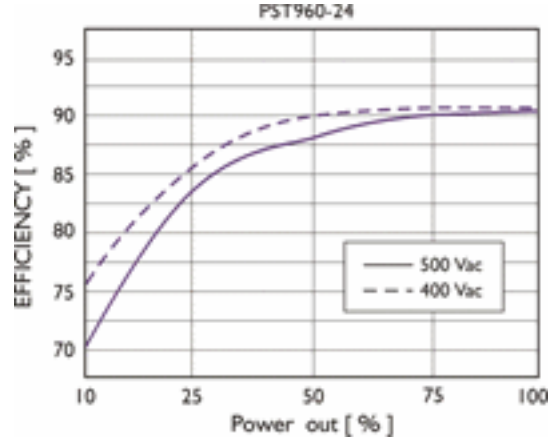
CIRCUIT SCHEMATIC



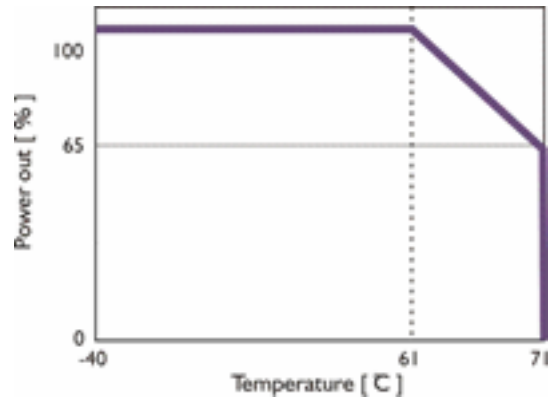
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Connector size range 2 (0.2-4mm²) flexible / solid cable. Output: AWG20-6 - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C Input and Rdy, P, G Control : AWG24 - 10 2 (0.5-10mm) flexible / solid cable - Output connector can withstand torque at maximum 15.6 pound-inches 10m/m stripping at cable end recommends

INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

PST960/48/20



20A ,3 Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 93%
- Compact design with a width of only 275.8 mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L126.2 XW275.8 X D118.8 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	390000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	52 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	20 A
Output Wattage	960 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	91 %
Efficiency (typ.)	93 %
Standard Packing Qty	1
Cat. No.	PST960/48/20

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	126.2 x 275.8 x 118.8 mm
Packing	3.68 kg ; 6 pcs / 23 kg / 2.41 CUFT
Weight	3400 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
CQC	GB4943, GB9254, GB17625.1
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T5 A / 500 VAC internal / phase
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	60 - 68 VDC
Rated over load protection	120 -140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	3 Phase
Inrush Current	30 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current	35 A
Nominal Input Voltage	1Ø or 3Ø 380-480 VAC
P.F.C. (Passive)	0.8
Power Dissipation (Vi: 400 VAC, Io norm)	90 W
Rated Input Current -Max. (Vi : 400 VAC)	2.4 A
Rated Input Current -Max. (Vi : 400 VAC)	1.72 A
Rated Input Current -Typ. (Vi : 500 VAC)	1.5 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	37-43 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	37-43VDC
Efficiency	93 %
Fall Time	150 msec
Hold Up Time	15 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %

OUTPUT SPECIFICATIONS....

Minimum Load	0 %
Output Current	20 A
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	47 - 56 VDC
Parallel Operation	2 Units
Power Back Immunity	63 VDC
Rated Continuous Loading	20A @ 48Vdc / 17 A @ 56 Vdc
	80 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V -	Negative output terminal
10	IN	L2	Input terminals
11	IN	L1	Input terminals
12	IN	Earth	Ground this terminal to minimize high-frequency emissions
2	OUT	V -	Negative output terminal
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	OUT	G	Parallel GND PIN for current share
6	OUT	p	Parallel PIN for current share
7	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)
8	OUT	RDY	(Never connect except 24V model)
9	IN	L3	Input terminals

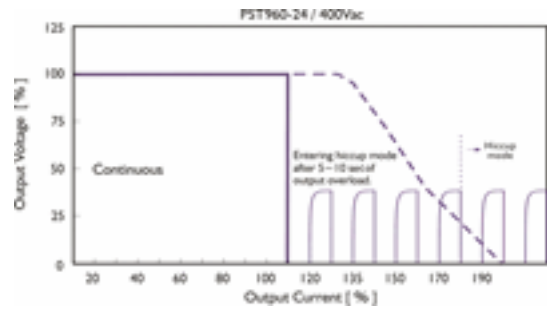
DIMENTISONAL DIAGRAM



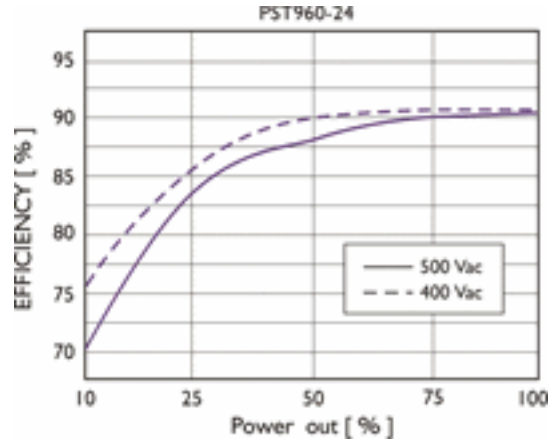
CIRCUIT SCHEMATIC



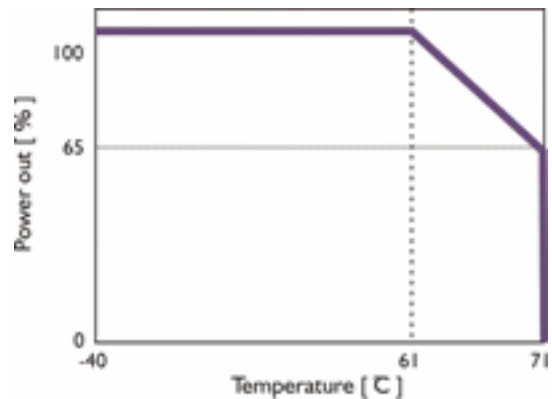
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

Connector size range 2 (0.2-4mm²) flexible / solid cable, Output: AWG20-6 - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C Input and Rdy, P, G Control : AWG24 - 10 2 (0.5-10mm) flexible / solid cable - Output connector can withstand torque at maximum 15.6 pound-inches 10m/m stripping at cable end recommends

PSD100/12/8.4



8.4A ,2ph/Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 87%
- Compact design with a width of only 54 mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L90xW54xD114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	622000 hr
Pollution Degree	2
Relative Humidity Range	min/max 20/95 % RH
Switching Frequency (typ.)	85 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	8.4 A
Output Wattage	100.8 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	84%
Efficiency (typ.)	86%
Standard Packing Qty	1
Cat. No.	PSD100/12/8.4

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 x 54 x 114 mm (3.6 x 2.13 x 4.49 inches)
Packing	0.57 kg ; 32 pcs / 19.5 kg / 1.85 CUFT
Weight	500 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme. EN 61558-1, EN 61558-2-17 (meet EN 60204-1)
UL/cUL	UL 508 Listed UL 60950-1 Recognized
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	2A / 600 VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	min/max 14.5 / 17.4 VDC
Rated over load protection	min/max 115 / 135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	2PH /1PH
Inrush Current	10 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Nominal Input Voltage	1PH / 2PH 380 / 480 VAC
P.F.C. (Passive)	0.55
Power Dissipation (Vi: 400 VAC, Io norm)	15 W
Rated Input Current -Max. (Vi : 400 VAC)	0.75 A
Rated Input Current -Max. (Vi : 400 VAC)	0.48 A
Rated Input Current -Typ. (Vi : 500 VAC)	0.41 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	min / max 10/11.2 VDC
DC ON Indicator Threshold at start up (Green LED)	min / max 10/11.2 VDC

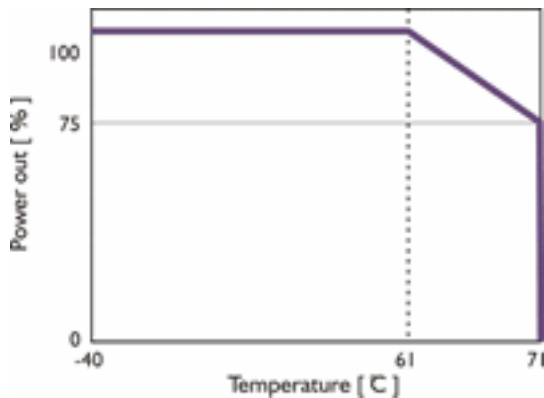
OUTPUT SPECIFICATIONS....

Efficiency	89 %
Fall Time	150 msec
Hold Up Time	20 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	8.4 A
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	11.4 - 14.5 VDC
Parallel Operation	2 Units
Power Back Immunity	18 VDC
Rated Continuous Loading	8.4 A @ 12Vdc / 6.9 A @ 14.5 Vdc
	50 mV
Rise Time With 7000 µF	150 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch (Except 24V/E models)
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)
2	OUT		(Never connect except 24V model)
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	OUT	V -	Negative output terminal
6	OUT	V -	Negative output terminal
7	IN	Earth	Ground this terminal to minimize high-frequency emissions
8	IN	N (L2)	Input terminals (phase conductor, no polarity at DC input)
9	IN	L1	Input terminals (neutral conductor, no polarity at DC input)

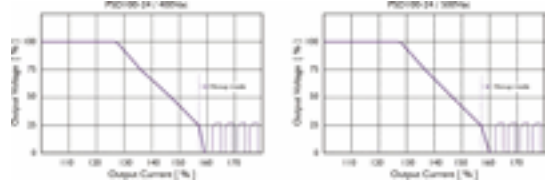
DIMENTISONAL DIAGRAM



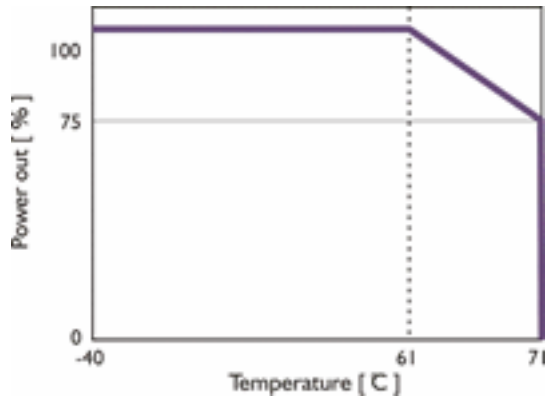
CIRCUIT SCHEMATIC



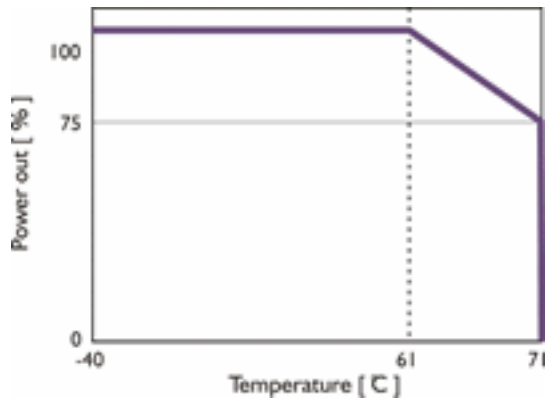
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

AWG24-14 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75Degree C

PSD100/24/4.2



4.2A ,2ph/Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 87%
- Compact design with a width of only 54 mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L90xW54xD114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	661000 hr
Pollution Degree	2
Relative Humidity Range	min/max 20/95 % RH
Switching Frequency (typ.)	85 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	4200 mA
Output Wattage	100.8 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	85%
Efficiency (typ.)	87%
Standard Packing Qty	1
Cat. No.	PSD100/24/4.2

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 x 54 x 114 mm (3.6 x 2.13 x 4.49 inches)
Packing	0.57 kg ; 32 pcs / 19.5 kg / 1.85 CUFT
Weight	500 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme. EN 61558-1, EN 61558-2-17 (meet EN 60204-1)
UL/cUL	UL 508 Listed UL 60950-1 Recognized
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	2A / 600 VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	min/max 30 / 33 VDC
Power Ready	min / max 17.6 / 19.4 VDC
Rated over load protection	min/max 115/135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	2PH /1PH
Inrush Current	10 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Nominal Input Voltage	1PH / 2PH 380 / 480 VAC
P.F.C. (Passive)	0.55
Power Dissipation (Vi: 400 VAC, Io norm)	13.5 W
Rated Input Current -Max. (Vi : 400 VAC)	0.75 A
Rated Input Current -Typ. (Vi : 500 VAC)	0.41 A
Rated Input Current -Typ. (Vi : 575 VAC)	0.48 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	min / max 17.6/19.4 VDC

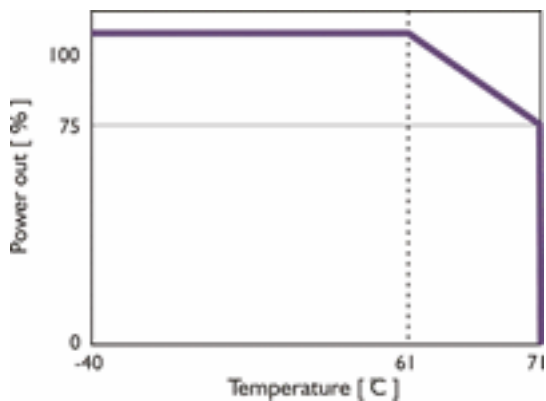
OUTPUT SPECIFICATIONS....

DC ON Indicator Threshold at start up (Green LED)	min / max 17.6/19.4 VDC
Efficiency	89 %
Fall Time	150 msec
Hold Up Time	20 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	4.2 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	22.5 - 28.5 VDC
Parallel Operation	2 Units
Power Back Immunity	35 VDC
Rated Continuous Loading	4.2 A @ 24Vdc / 3.5 A @ 28.5 Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch (Except 24V/E models)
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)
2	OUT		(Never connect except 24V model)
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	OUT	V -	Negative output terminal
6	IN	V -	Negative output terminal
7	IN	Earth	Ground this terminal to minimize high-frequency emissions
8	IN	N (L2)	Input terminals (phase conductor, no polarity at DC input)
9	IN	L1	Input terminals (neutral conductor, no polarity at DC input)

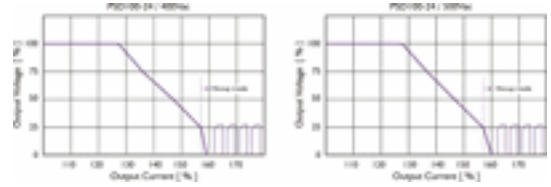
DIMENTISONAL DIAGRAM



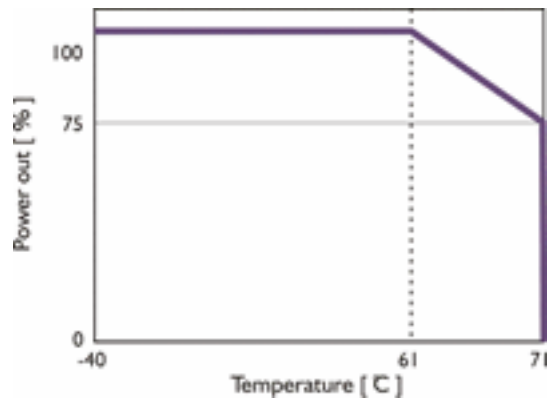
CIRCUIT SCHEMATIC



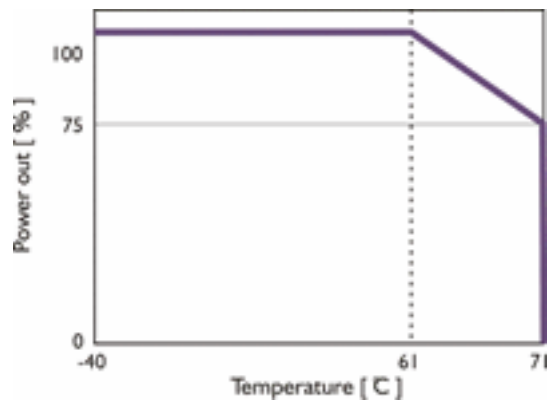
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

AWG24-14 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75Degree C

PSD100/48/2.1



2.1A ,2ph/Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 87%
- Compact design with a width of only 54 mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L90xW54xD114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	672000 hr
Pollution Degree	2
Relative Humidity Range	min/max 20/95 % RH
Switching Frequency (typ.)	85 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	2.1 A
Output Wattage	100.8 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	87%
Efficiency (typ.)	89 %
Standard Packing Qty	1
Cat. No.	PSD100/48/2.1

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 x 54 x 114 mm (3.6 x 2.13 x 4.49 inches)
Packing	0.57 kg ; 32 pcs / 19.5 kg / 1.85 CUFT
Weight	500 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme. EN 61558-1, EN 61558-2-17 (meet EN 60204-1)
UL/cUL	UL 508 Listed UL 60950-1 Recognized
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	2A / 600 VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	min/max 60 / 66 VDC
Rated over load protection	min/max 115/135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	2PH /1PH
Inrush Current	10 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Nominal Input Voltage	1PH / 2PH 380 / 480 VAC
P.F.C. (Passive)	0.55
Power Dissipation (Vi: 400 VAC, Io norm)	10.5 W
Rated Input Current -Max. (Vi : 400 VAC)	0.75 A
Rated Input Current -Max. (Vi : 400 VAC)	0.48 A
Rated Input Current -Typ. (Vi : 500 VAC)	0.41 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	min / max 37/43 VDC
DC ON Indicator Threshold at start up (Green LED)	min / max 37/43VDC

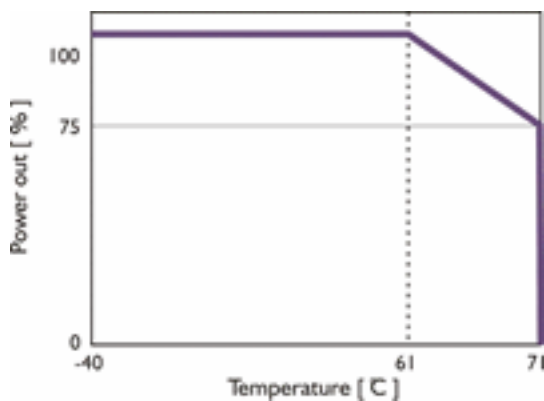
OUTPUT SPECIFICATIONS....

Efficiency	89 %
Fall Time	150 msec
Hold Up Time	20 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	2.1 A
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	47 - 56 VDC
Parallel Operation	2 Units
Power Back Immunity	63 VDC
Rated Continuous Loading	2.1 A @ 48Vdc / 1.8 A @ 56 Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch (Except 24V/E models)
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)
2	OUT		(Never connect except 24V model)
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	OUT	V -	Negative output terminal
6	OUT	V -	Negative output terminal
7	IN	Earth	Ground this terminal to minimize high-frequency emissions
8	IN	N (L2)	Input terminals (phase conductor, no polarity at DC input)
9	IN	L1	Input terminals (neutral conductor, no polarity at DC input)

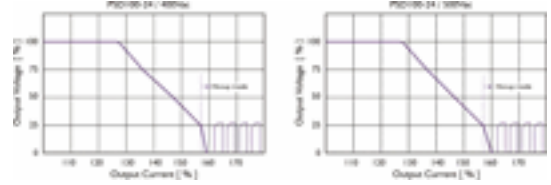
DIMENTISONAL DIAGRAM



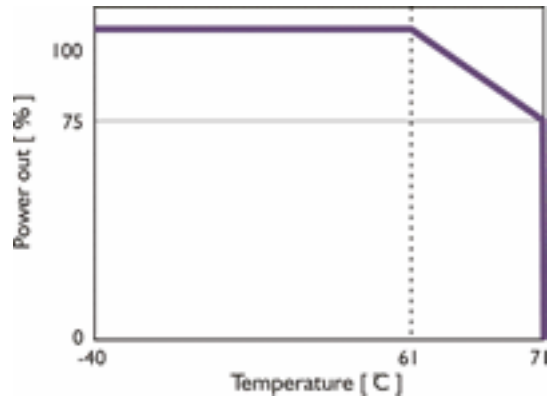
CIRCUIT SCHEMATIC



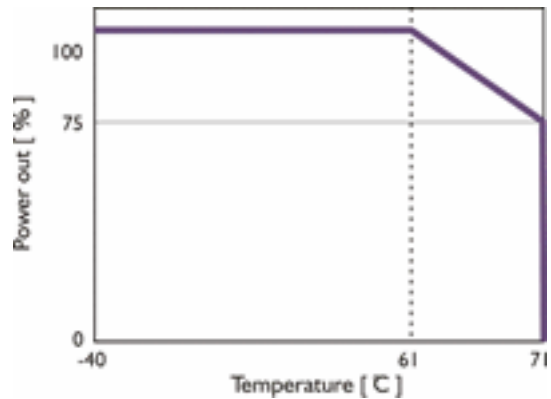
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



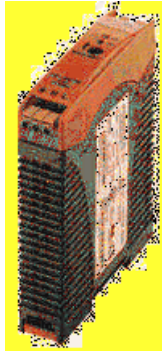
INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

AWG24-14 (0.2-4mm²) flexible / solid cable. - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75Degree C

PSS5/5/1



1A, Single Phase Din Rail Mountable Switching Power Supplies

Full Range Input selection from 90 to 265 VAC
Typical efficiency of 69%
Compact Design with a width of only 22.5 mm
Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg cel
Ambient Temperature Range (Storage)	-25 to +85 deg cel
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% / °C
Dimension	Spring terminal type L90 x W22.5 x D114
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	801000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 % RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	± 0.03 % per deg.cel

ORDERING INFORMATION

Output Voltage	5 V
Output Current	1 A
Output Wattage	5 W
Input Voltage Range	90-264 VAC
Efficiency (min.)	67%
Efficiency (typ.)	69%
Standard Packing Qty	1
Cat. No.	PSS5/5/1

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.21 kg ; 56 pcs / 12.5 kg / 2.16 CUFT
Weight	120 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL / cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A

INPUT SPECIFICATIONS....

Max. Inrush Current (Vi: 230 VAC)	18 A
Power Dissipation (Vi: 230 VAC, Io norm)	2.2 W
Rated Input Current -Max. (Vi : 230 VAC)	200 mA
Rated Input Current -Typ. (Vi : 115 VAC)	115 mA
Rated Input Current -Typ. (Vi : 230 VAC)	80 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

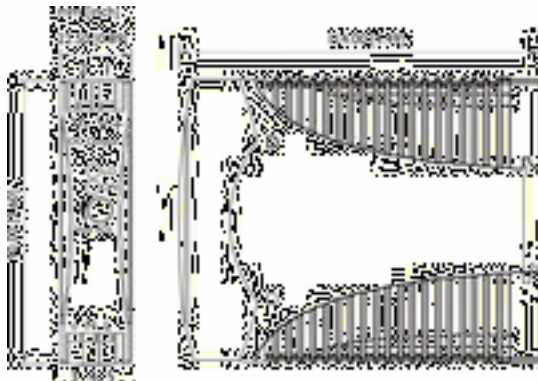
OUTPUT SPECIFICATIONS

Capacitor Load	3500 μ F
DC LOW Indicator Threshold after start up (Red LED)	3.5 to 4.5 VDC
DC ON Indicator Threshold at start up (Green LED)	3.5 to 4.5 VDC
Efficiency	69%,
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	30 msec
Hold Up Time (Vi: 230VAC)	130 msec
Line Regulation	\pm 1%
Load Regulation	\pm 2%
Minimum Load	0%
Output Current	1 A
Output Voltage	5 V
Output Voltage Accuracy (Adjusted before shipment)	0 to +1%
Output Voltage Trim Range	-10 to +15 %
Power Back Immunity	7.5 VDC
Rated Continuous Loading	1.0 A @ 5Vdc / 0.85 A @ 5.75 Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 msec
Turn On Time With 3500 μ F	1500 msec

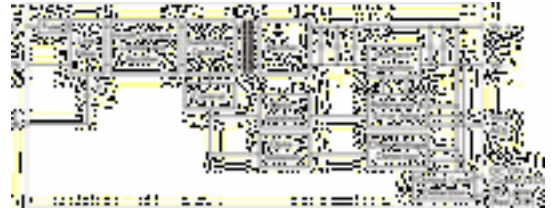
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emissions
4	IN	N	Input terminals (neutral conductor, no polarity at DC input)
5	IN	L	Input terminals (phase conductor, no polarity at DC input)

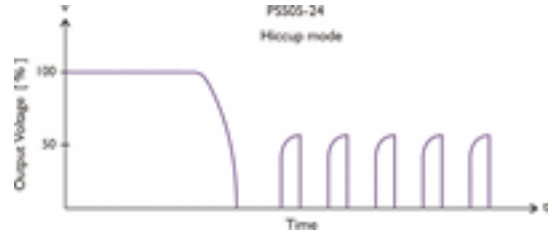
DIMENTISONAL DIAGRAM



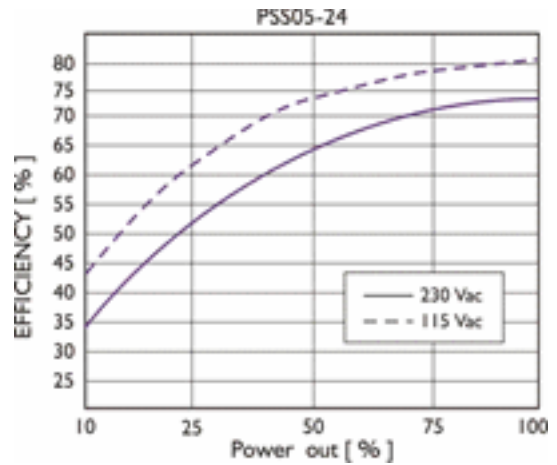
CIRCUIT SCHEMATIC



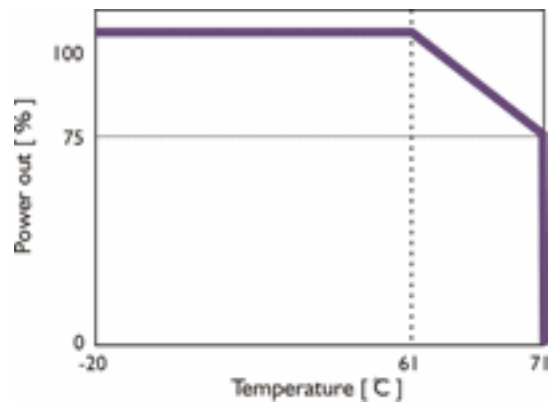
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



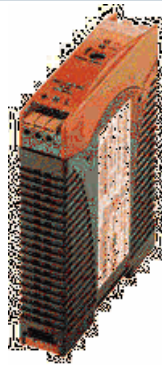
INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends. Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: AWG24-14 (0.2-2mm) flexible / solid cable, 10 m/m stripping at cable end recommends Use copper conductors only, 60 / 75 C

PSS10/5/2



2A,10W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 76%
- Compact design with a width of only 22.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	801000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	5 VDC
Output Current	2000 mA
Output Wattage	10 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	71%
Efficiency (typ.)	73%
Standard Packing Qty	1
Cat. No.	PSS10/5/2

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.21 kg ; 56 pcs / 12.5 kg / 2.16 CUFT
Weight	120 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 145 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A

INPUT SPECIFICATIONS....

Power Dissipation (Vi: 230 VAC, Io norm)	4.0 W
Rated Input Current -Typ. (Vi : 115 VAC)	200 mA
Rated Input Current -Typ. (Vi : 230 VAC)	130 mA
Rated Input Current -Typ. (Vi : 90 VAC)	300 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

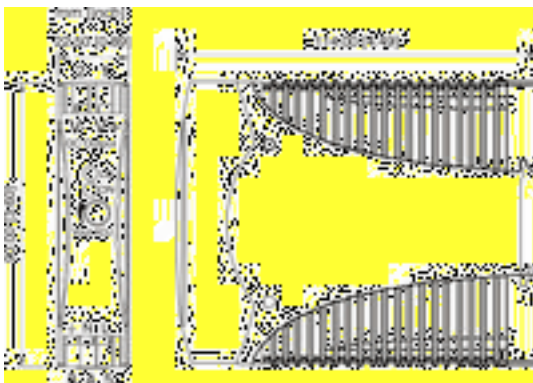
OUTPUT SPECIFICATIONS

Capacitor Load	3500 μ F
DC LOW Indicator Threshold after start up (Red LED)	3.5 to 4.5 VDC
DC ON Indicator Threshold at start up (Green LED)	3.5 to 4.5 VDC
Efficiency	73%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	100 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	2000 mA
Output Voltage	5 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +15 %
Power Back Immunity	7.5 VDC
Rated Continuous Loading	2A @5Vdc / 1.7A @5.75Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal.
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emissions
4	IN	N	Input terminals (neutral conductor, no polarity at DC input)
5	IN	L	Input terminals (phase conductor, no polarity at DC input)

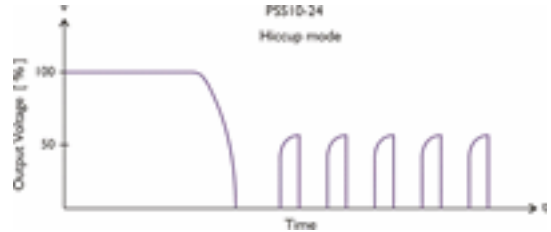
DIMENTISONAL DIAGRAM



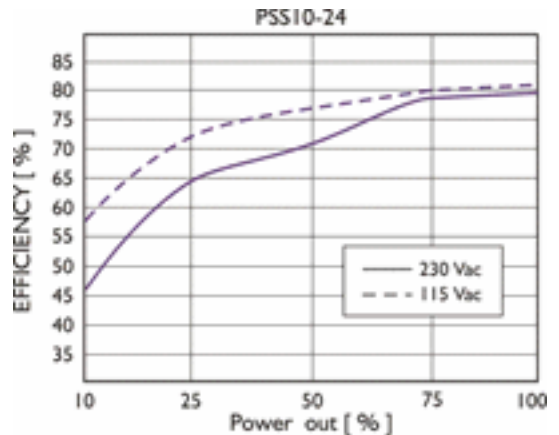
CIRCUIT SCHEMATIC



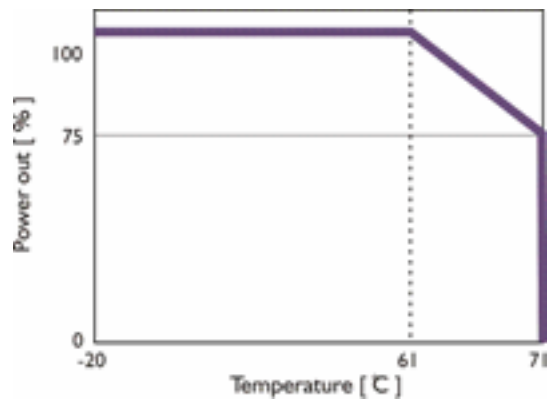
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



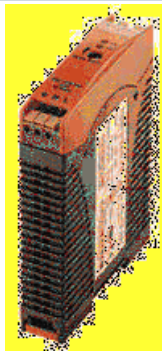
CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

PSS15/5/3



3A,15W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 75%
- Compact design with a width of only 22.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	795000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	5 VDC
Output Current	3000 mA
Output Wattage	15 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	73%
Efficiency (typ.)	75%
Standard Packing Qty	1
Cat. No.	PSS15/5/3

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.23 kg ; 56 pcs / 14 kg / 2.16 CUFT
Weight	150 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3, EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A
Power Dissipation (Vi: 230 VAC, Io norm)	5.0 W

INPUT SPECIFICATIONS....

Rated Input Current -Typ. (Vi : 115 VAC)	335 mA
Rated Input Current -Typ. (Vi : 230 VAC)	210 mA
Rated Input Current -Typ. (Vi : 90 VAC)	500 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

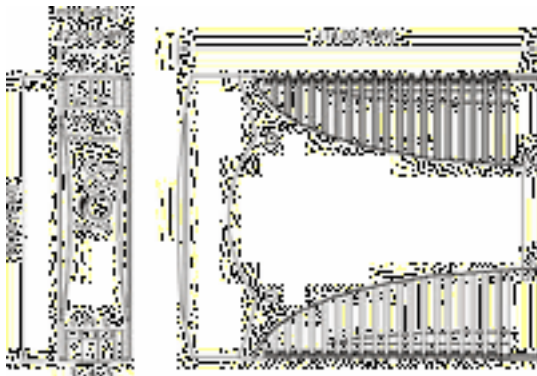
OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	3.5 to 4.5 VDC
DC ON Indicator Threshold at start up (Green LED)	3.5 to 4.5 VDC
Efficiency	77%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	75 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	3000 mA
Output Voltage	5 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +15 VDC
Power Back Immunity	7.5 VDC
Rated Continuous Loading	3A @5Vdc / 2.6A @5.75Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

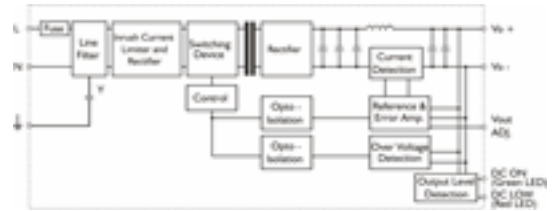
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emissions
4	IN	N	Input terminals (neutral conductor, no polarity at DC input)
5	IN	L	Input terminals (phase conductor, no polarity at DC input)

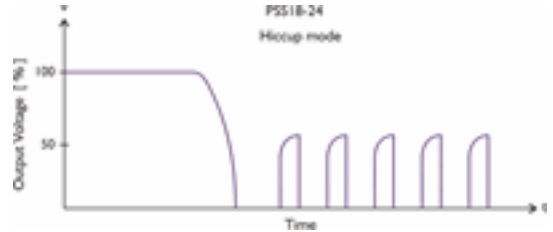
DIMENTISONAL DIAGRAM



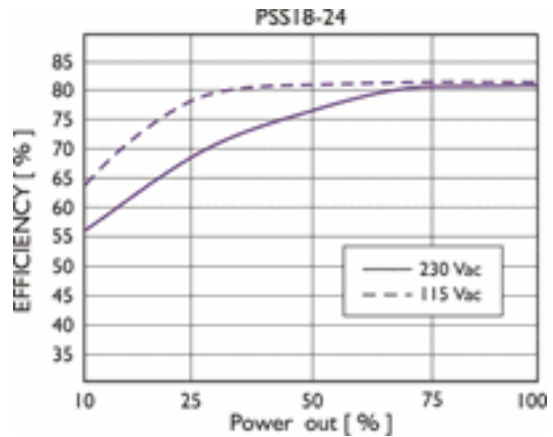
CIRCUIT SCHEMATIC



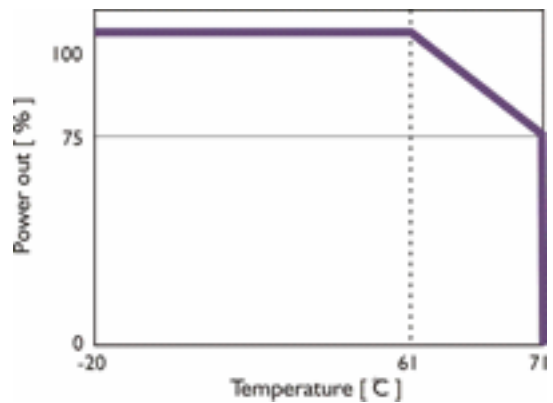
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Spring terminal: AWG24-14 (0.2-2mm²) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends. Use Cu conductors only, 60/75 deg.C

PSS30/5/6



PSS30/5/6,30W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 85 to 264VAC
- Typical efficiency of 86%
- Compact design with a width of only 40.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W40.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	551000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	80-135 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	5 VDC
Output Current	6000 mA
Output Wattage	30 W
Input Voltage Range	85 - 264 VAC
Efficiency (min.)	77%
Efficiency (typ.)	79%
Standard Packing Qty	1
Cat. No.	PSS30/5/6

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 40.5 X 114 mm
Packing	0.35 kg ; 40 pcs / 15 kg / 2.16 CUFT
Weight	270 G

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3, EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 5V w/o Class 2) Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	6.0 to 6.8 VDC
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	85 to 264
DC Input Voltage Range	90 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	8.5 W
Rated Input Current -Max. (Vi : 115 VAC)	800 mA
Rated Input Current -Typ. (Vi : 115 VAC)	560 mA
Rated Input Current -Typ. (Vi : 230 VAC)	330 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 μ F
DC ON Indicator Threshold at start up (Green LED)	3.5 to 4.5 VDC
Efficiency	86%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation	+/- 0.5 %
Minimum Load	0 %
Output Current	6000 mA
Output Voltage	5 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	5 to 5.5 VDC
Power Back Immunity	7.5 VDC
Rated Continuous Loading	6A @5Vdc / 5.4A @5.5Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	2000 msec

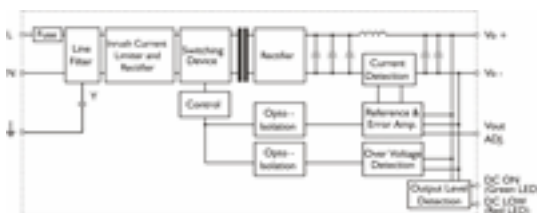
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	DC OK output for relay (not connect except 24V model)
2	OUT	+	Positive output terminal
3	OUT	+	Positive output terminal
4	OUT	-	Negative output terminal
5	OUT	-	Negative output terminal
6	IN	Ground	Ground this terminal to minimize high frequency emissions
7	IN	N	Input terminals (neutral conductor, no polarity at DC input)
8	IN	L	Input terminals (phase conductor, no polarity at DC input)

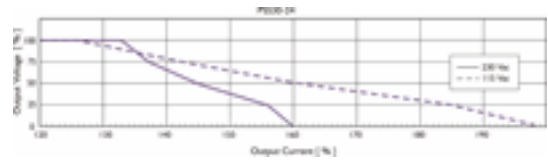
DIMENTISONAL DIAGRAM



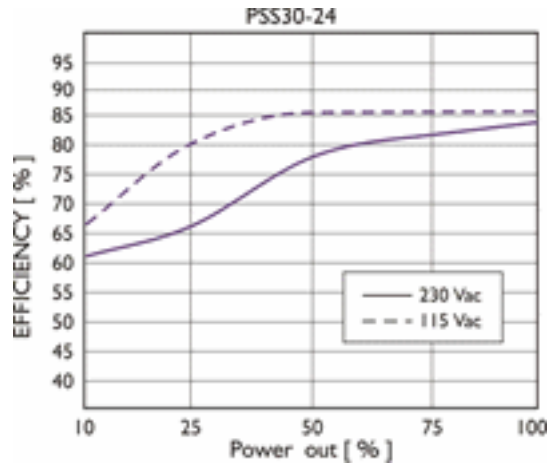
CIRCUIT SCHEMATIC



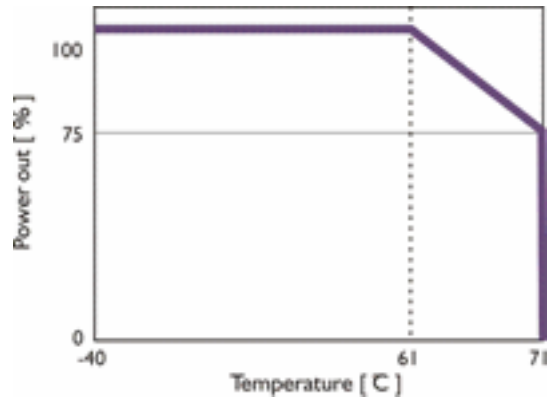
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends. Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm²) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PSS50/5/10



10A,50W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 85 to 264VAC
- Typical efficiency of 89%
- Compact design with a width of only 40.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% / °C
Dimension	Spring Terminal Type , L90 X W40.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	498000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55-90 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	5 VDC
Output Current	10000 mA
Output Wattage	50 W
Input Voltage Range	85 - 264 VAC
Efficiency (min.)	77%
Efficiency (typ.)	79%
Standard Packing Qty	1
Cat. No.	PSS50/05/10

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 40.5 X 114 mm
Packing	0.41kg ; 40 pcs / 17.5 kg / 2.16 CUFT
Weight	340 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3, EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2, Power (only 5V,12V w/o Class 2) Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	6.0 to 6.8 VDC
Rated over load protection	110 to 150 %

INPUT SPECIFICATIONS

AC Input Voltage Range	85 to 264
DC Input Voltage Range	90 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	12.5 W
Rated Input Current -Max. (Vi : 115 VAC)	1500 mA
Rated Input Current -Typ. (Vi : 115 VAC)	1060 mA
Rated Input Current -Typ. (Vi : 230 VAC)	590 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
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OUTPUT SPECIFICATIONS....

DC ON Indicator Threshold at start up (Green LED)	3.5 to 4.5 VDC
Efficiency	89%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation	+/- 0.5 %
Minimum Load	0 %
Output Current	10000 mA
Output Voltage	5 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	5 to 5.5 VDC
Power Back Immunity	7.5 VDC
Rated Continuous Loading	10A @5Vdc / 9.0A @5.5Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

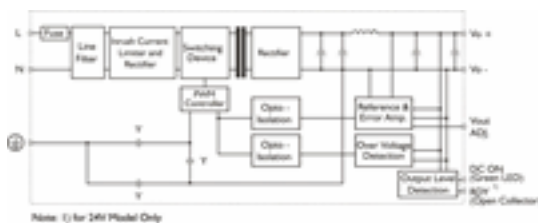
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	DC OK output for relay (not connect except 24V model)
2	OUT	+	Positive output terminal
3	OUT	+	Positive output terminal
4	OUT	-	Negative output terminal
5	OUT	-	Negative output terminal
6	IN	Ground	Ground this terminal to minimize high frequency emissions
7	IN	N	Input terminals (neutral conductor, no polarity at DC input)
8	IN	L	Input terminals (phase conductor, no polarity at DC input)

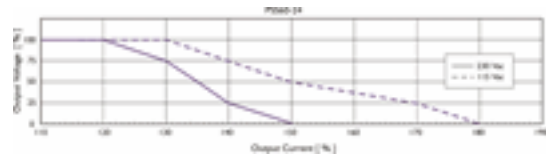
DIMENTIONAL DIAGRAM



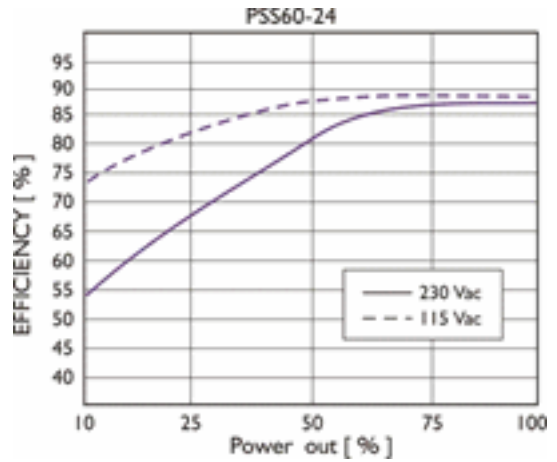
CIRCUIT SCHEMATIC



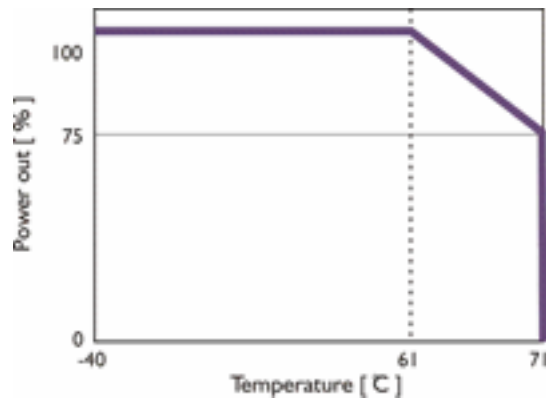
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



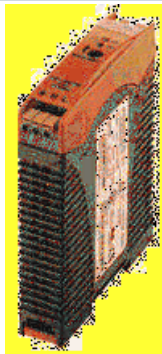
INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends. Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: AWG24-14 (0.2-2mm²) flexible / solid cable, 10 m/m stripping at cable end recommends Use copper conductors only, 60 / 75 C

PSS5/12/0.42



0.42A ,5W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 to 265VAC
- Typical efficiency of 72%
- Compact design with a width of only 22.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	805000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	420 mA
Output Wattage	5 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	70%
Efficiency (typ.)	72%
Standard Packing Qty	1
Cat. No.	PSS5/12/0.42

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.21 kg ; 56 pcs / 12.5 kg / 2.16 CUFT
Weight	120 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A
Power Dissipation (Vi: 230 VAC, Io norm)	1.9 W

INPUT SPECIFICATIONS....

Rated Input Current -Max. (Vi : 115 VAC)	200 mA
Rated Input Current -Typ. (Vi : 115 VAC)	115 mA
Rated Input Current -Typ. (Vi : 230 VAC)	80 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

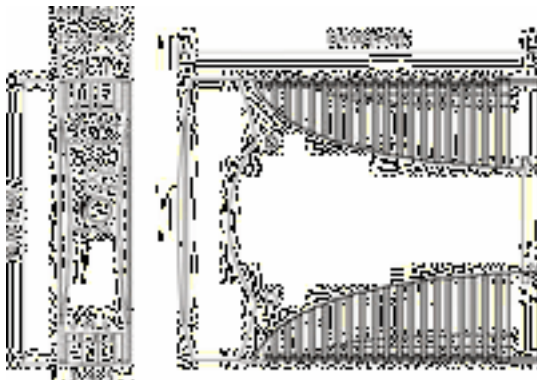
OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	9.0 to 10.8 VDC
DC ON Indicator Threshold at start up (Green LED)	9.0 to 10.8 VDC
Efficiency	72%
Fall Time	150 msec
Hold Up Time (Vi : 115VAC)	30 msec
Hold Up Time (Vi : 230VAC)	130 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	420 mA
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +15 %
Power Back Immunity	18 VDC
Rated Continuous Loading	0.42A @12Vdc / 0.36A @13.8Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

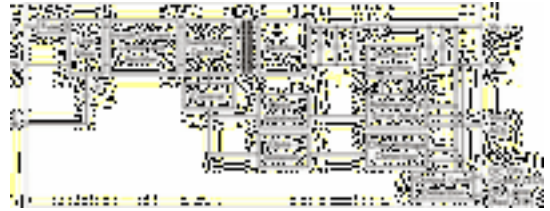
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emissions
4	IN	N	Input terminals (neutral conductor, no polarity at DC input)
5	IN	L	Input terminals (phase conductor, no polarity at DC input)

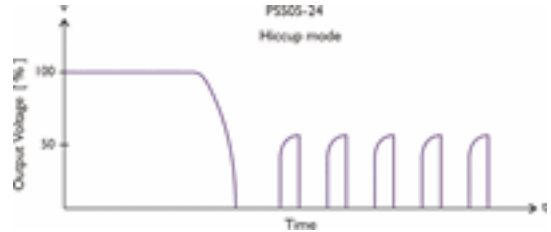
DIMENTISONAL DIAGRAM



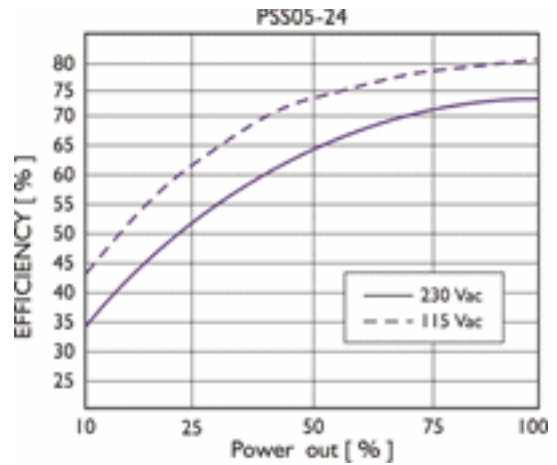
CIRCUIT SCHEMATIC



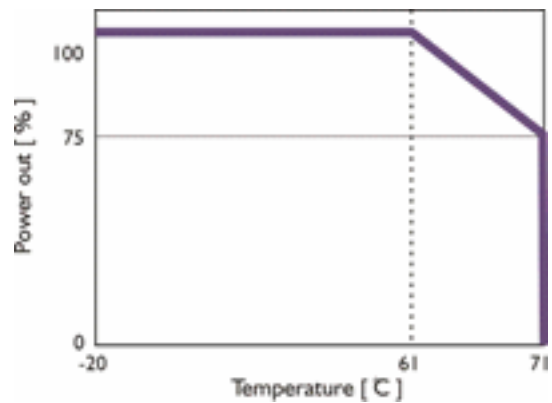
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



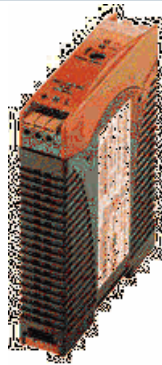
CONNECTION DETAILS

Spring terminal: AWG24-14 (0.2-2mm) flexible / solid cable, 10 m/m stripping at cable end recommends Use copper conductors only, 60 / 75 C

INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends. Use Cu conductors only, 60/75 deg.C

PSS10/12/0.84



0.84A,10W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 76%
- Compact design with a width of only 22.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	803000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	840 mA
Output Wattage	10 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	73%
Efficiency (typ.)	75%
Standard Packing Qty	1
Cat. No.	PSS10/12/0.84

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.21 kg ; 56 pcs / 12.5 kg / 2.16 CUFT
Weight	120 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 145 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A

INPUT SPECIFICATIONS....

Power Dissipation (Vi: 230 VAC, Io norm)	3.4 W
Rated Input Current -Typ. (Vi : 115 VAC)	200 mA
Rated Input Current -Typ. (Vi : 230 VAC)	130 mA
Rated Input Current -Typ. (Vi : 90 VAC)	300 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

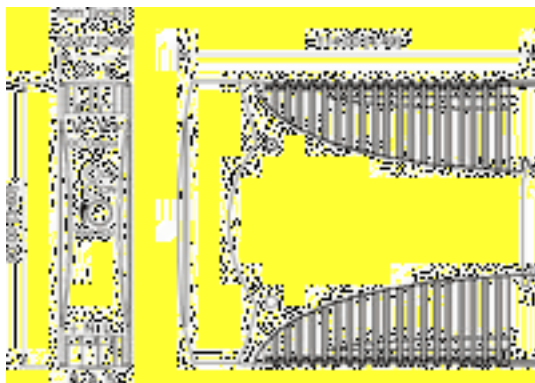
OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	9.0 to 10.8 VDC
DC ON Indicator Threshold at start up (Green LED)	9.0 to 10.8 VDC
Efficiency	76%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	100 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	840 mA
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +15 %
Power Back Immunity	18 VDC
Rated Continuous Loading	0.84A @12Vdc / 0.72A @13.8Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emissions
4	IN	N	Input terminals (neutral conductor, no polarity at DC input)
5	IN	L	Input terminals (phase conductor, no polarity at DC input)

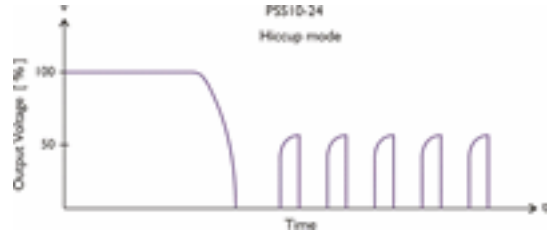
DIMENTISONAL DIAGRAM



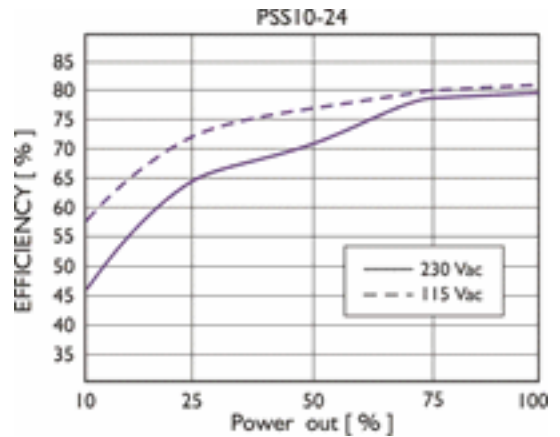
CIRCUIT SCHEMATIC



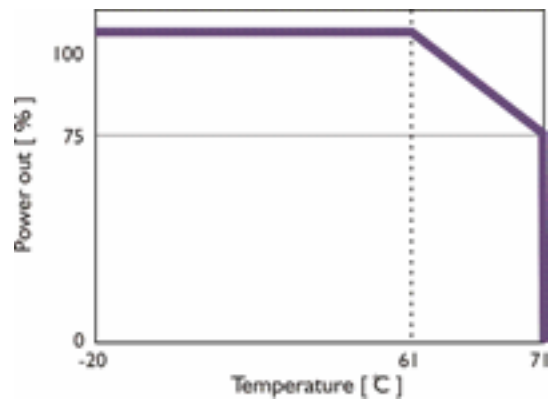
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



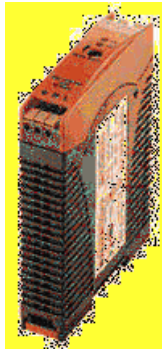
INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PSS18/12/1.5



1.5A,18W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 77%
- Compact design with a width of only 22.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	797000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	12 V
Output Current	1500 mA
Output Wattage	18 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	75%
Efficiency (typ.)	77%
Standard Packing Qty	1
Cat. No.	PSS18/12/1.5

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.23 kg ; 56 pcs / 14 kg / 2.16 CUFT
Weight	150 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3, EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A
Power Dissipation (Vi: 230 VAC, Io norm)	4.65 W

INPUT SPECIFICATIONS....

Rated Input Current -Typ. (Vi : 115 VAC)	335 mA
Rated Input Current -Typ. (Vi : 230 VAC)	210 mA
Rated Input Current -Typ. (Vi : 90 VAC)	500 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

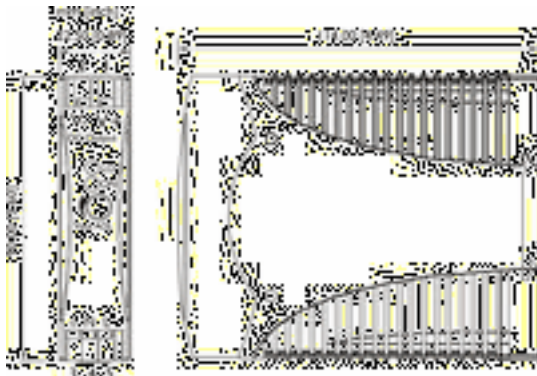
OUTPUT SPECIFICATIONS

Capacitor Load	7000 μ F
DC LOW Indicator Threshold after start up (Red LED)	9.0 to 10.8VDC
DC ON Indicator Threshold at start up (Green LED)	9.0 to 10.8VDC
Efficiency	77%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	75 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	1500 mA
Output Voltage	12 V
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +15 %
Power Back Immunity	18 V
Rated Continuous Loading	1.5A @12Vdc / 1.3A @13.8Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

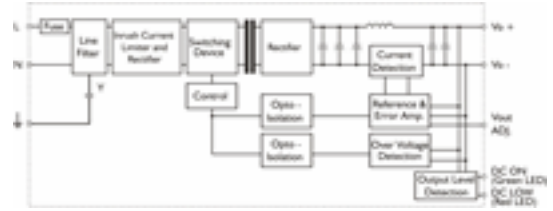
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emissions
4	IN	N	Input terminals (neutral conductor, no polarity at DC input)
5	IN	L	Input terminals (phase conductor, no polarity at DC input)

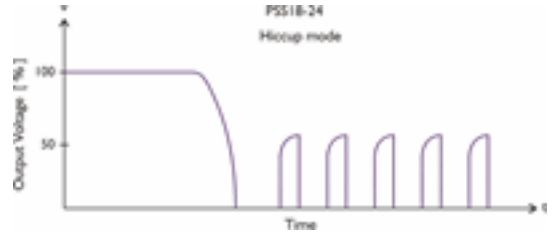
DIMENTISONAL DIAGRAM



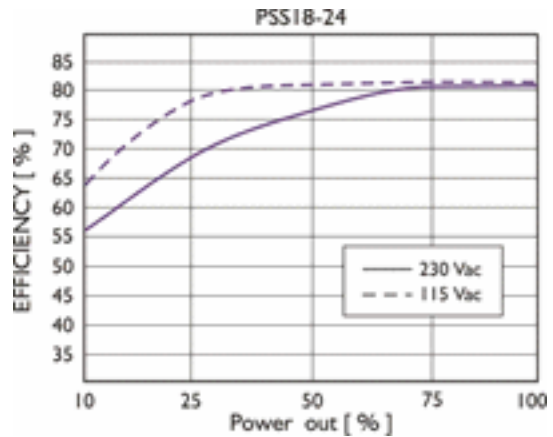
CIRCUIT SCHEMATIC



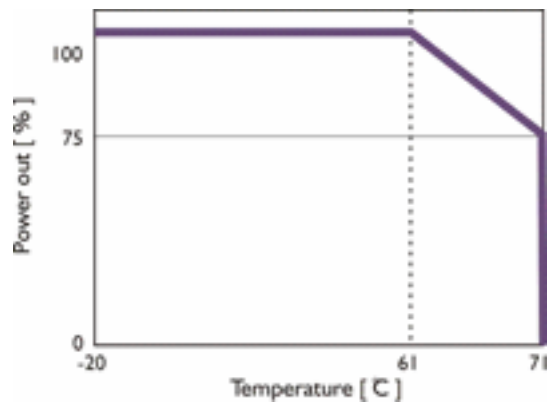
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends. Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PSS30/12/2.5



2.5A,30W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 85 to 264VAC
- Typical efficiency of 86%
- Compact design with a width of only 40.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W40.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	582000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	80-135 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	2500 mA
Output Wattage	30 W
Input Voltage Range	85 - 264 VAC
Efficiency (min.)	82%
Efficiency (typ.)	84%
Standard Packing Qty	1
Cat. No.	PSS30/12/2.5

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 40.5 X 114 mm
Packing	0.35 kg ; 40 pcs / 15 kg / 2.16 CUFT
Weight	270 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 5V w/o Class 2) Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	15 to 16.5 VDC
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	85 to 264
DC Input Voltage Range	90 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	5.6 W
Rated Input Current -Max. (Vi : 115 VAC)	800 mA
Rated Input Current -Typ. (Vi : 115 VAC)	560 mA
Rated Input Current -Typ. (Vi : 230 VAC)	330 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 μ F
DC ON Indicator Threshold at start up (Green LED)	9.0 to 10.8VDC
Efficiency	86%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation	+/- 0.5 %
Minimum Load	0 %
Output Current	2500 mA
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	12 to 14 VDC
Power Back Immunity	18 VDC
Rated Continuous Loading	2.5A @12Vdc / 2.1A @14Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	2000 msec

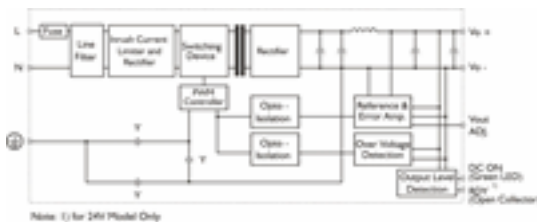
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	DC OK output for relay (not connect except 24V model)
2	OUT	+	Positive output terminal
3	OUT	+	Positive output terminal
4	OUT	-	Negative output terminal
5	OUT	-	Negative output terminal
6	IN	Ground	Ground this terminal to minimize high frequency emissions
7	IN	N	Input terminals (neutral conductor, no polarity at DC input)
8	IN	L	Input terminals (phase conductor, no polarity at DC input)

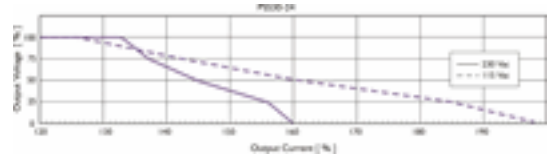
DIMENTIONAL DIAGRAM



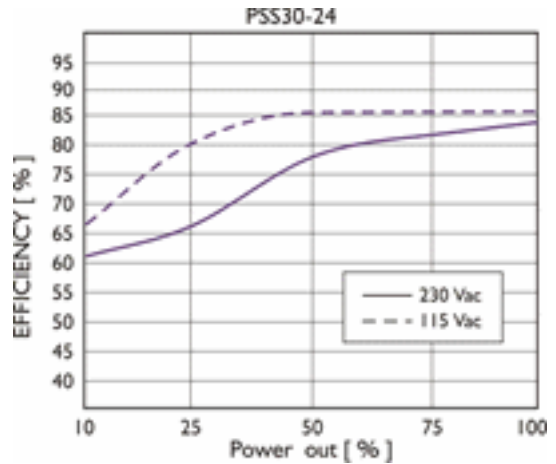
CIRCUIT SCHEMATIC



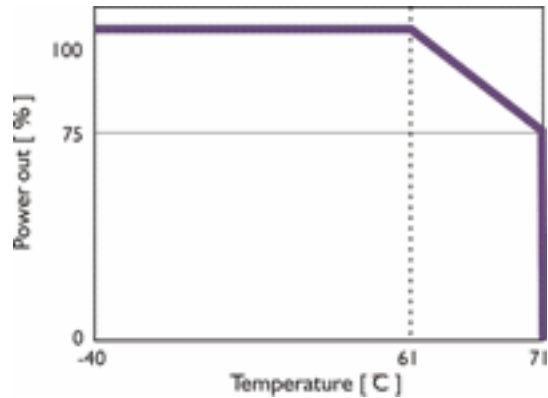
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



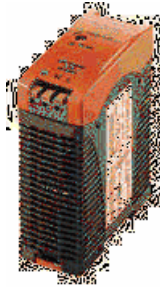
INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends. Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm²) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PSS60/12/5



5A,60W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 85 to 264VAC
- Typical efficiency of 89%
- Compact design with a width of only 40.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W40.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	504000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55-90 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	5000 mA
Output Wattage	60 W
Input Voltage Range	85 - 264 VAC
Efficiency (min.)	84%
Efficiency (typ.)	86%
Standard Packing Qty	1
Cat. No.	PSS60/12/5

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 40.5 X 114 mm
Packing	0.41kg ; 40 pcs / 17.5 kg / 2.16 CUFT
Weight	340 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3, EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2, Power (only 5V,12V w/o Class 2) Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	15.0 to 16.5 VDC
Rated over load protection	110 to 150 %

INPUT SPECIFICATIONS

AC Input Voltage Range	85 to 264
DC Input Voltage Range	90 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	9.0 W
Rated Input Current -Max. (Vi : 115 VAC)	1500 mA
Rated Input Current -Typ. (Vi : 115 VAC)	1060 mA
Rated Input Current -Typ. (Vi : 230 VAC)	590 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
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OUTPUT SPECIFICATIONS....

DC ON Indicator Threshold at start up (Green LED)	9.0 to 10.8 VDC
Efficiency	89%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation	+/- 0.5 %
Minimum Load	0 %
Output Current	5000 mA
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	12 to 14 VDC
Power Back Immunity	18 VDC
Rated Continuous Loading	5A @12Vdc / 4.25A @14Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

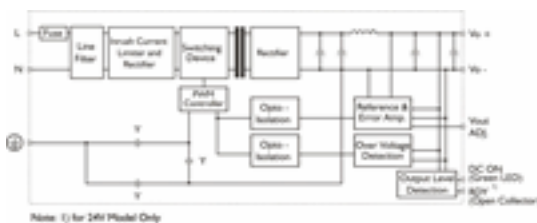
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	DC OK output for relay (not connect except 24V model)
2	OUT	+	Positive output terminal
3	OUT	+	Positive output terminal
4	OUT	-	Negative output terminal
5	OUT	-	Negative output terminal
6	IN	Ground	Ground this terminal to minimize high frequency emissions
7	IN	N	Input terminals (neutral conductor, no polarity at DC input)
8	IN	L	Input terminals (phase conductor, no polarity at DC input)

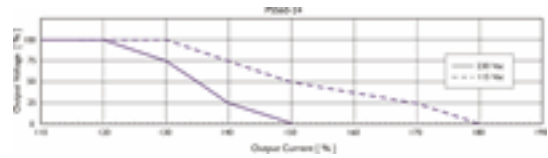
DIMENTIONAL DIAGRAM



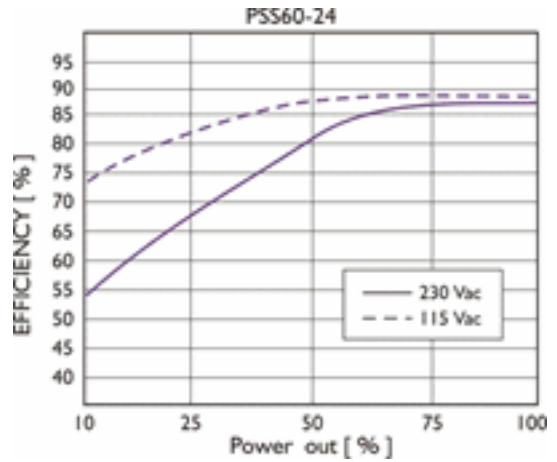
CIRCUIT SCHEMATIC



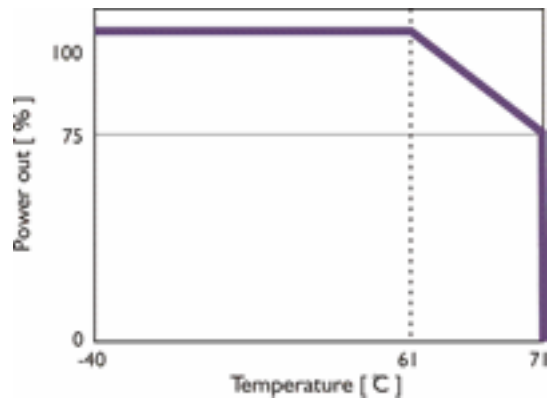
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends. Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: AWG24-14 (0.2-2mm²) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PSS100/12/8.4



8.4A, 100W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 /264VAC Auto select
- Typical efficiency of 88%
- Compact design with a width of only 54mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-35 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	L90 X W54 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	448000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	8.4 A
Output Wattage	100 W
Input Voltage Range	90/264 VAC
Efficiency (min.)	82%
Efficiency (typ.)	84%
Standard Packing Qty	1
Cat. No.	PSS100/12/8.4

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 54 X 114 mm
Packing	0.51kg ; 32 pcs / 17.5 kg / 1.85 CUFT
Weight	430 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 24V/E w/o Class 2) Recognized
Vibration resistance:	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	14.5 to 17.4 VDC
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
Power Dissipation (Vi: 230 VAC, Io norm)	18.5 W
Rated Input Current -Typ. (Vi : 115 VAC)	1.65 A
Rated Input Current -Typ. (Vi : 230 VAC)	0.83 A
Rated Input Current -Typ. (Vi : 90 VAC)	2.4 A
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	10.0 to 11.2 VDC
DC ON Indicator Threshold at start up (Green LED)	10.0 to 11.2 VDC

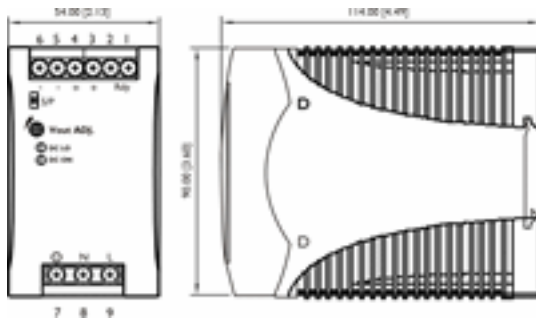
OUTPUT SPECIFICATIONS.....

Efficiency	88%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	15 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	8.4 A
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	11.4 to 14.5 VDC
Parallel Operation	3 unit
Power Back Immunity	18 VDC
Rated Continuous Loading	8.4A @12Vdc / 6.9A @14.5Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emissions
8	IN	N	Input terminals (neutral conductor, no polarity at DC input)
9	IN	L	Input terminals (phase conductor, no polarity at DC input)

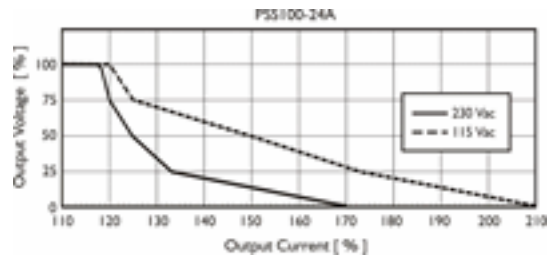
DIMENTISONAL DIAGRAM



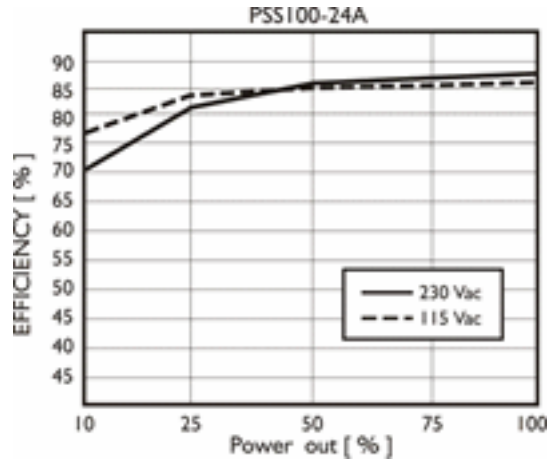
CIRCUIT SCHEMATIC



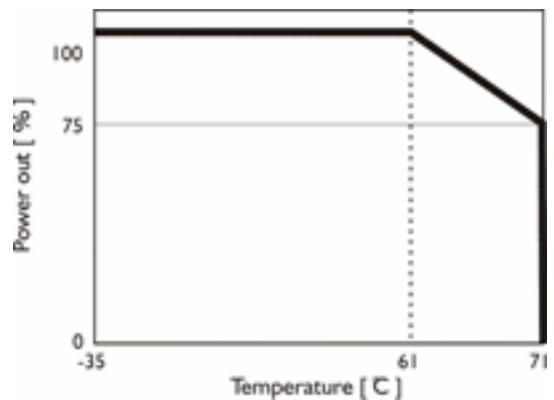
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches

CONNECTION DETAILS

Screw terminal: 2 AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches.

PSS120/12/10



10A,120W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 /264 VAC Auto select
- Typical efficiency of 84%
- Compact design with a width of only 64mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-35 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	L124.5 X W64 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	440000 hr
Pollution Degreee	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	10 A
Output Wattage	120 W
Input Voltage Range	90-264 VAC
Efficiency (min.)	82%
Efficiency (typ.)	84%
Standard Packing Qty	1
Cat. No.	PSS120/12/10

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 64 X 123.6 mm
Packing	1.02kg ; 20 pcs / 21.5 kg / 2.01 CUFT
Weight	920 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (24V/E Models only) Recognized ISA 12.12.01 (Class I,Division 2,Groups A,B,C,and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	125 to 140 %
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	210 to 375
Input Phase	Single
Input Voltage Range (115VAC Selected)	90 to 132 VAC
Input Voltage Range (230VAC Selected)	180 to 264 VAC
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	24 A
Max. Inrush Current (Vi: 230 VAC)	48 A
P.F.C. (Passive)	0.7 typ.
Power Dissipation (Vi: 230 VAC, lo norm)	24 W
Rated Input Current -Max. (Vi : 115 VAC)	2.8 A
Rated Input Current -Max. (Vi : 230 VAC)	1.4 A
Rated Input Current -Typ. (Vi : 115 VAC)	2.2 A
Rated Input Current -Typ. (Vi : 230 VAC)	0.83 A
Rated Input Voltage	115 /230 VAC (auto select)

OUTPUT SPECIFICATIONS

Capacitor Load	7000 μ F
DC LOW Indicator Threshold after start up (Red LED)	10.0 to 11.2 VDC
DC ON Indicator Threshold at start up (Green LED)	10.0 to 11.2 VDC
Efficiency	84%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	10 A
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	11.4 to 14.5 VDC
Parallel Operation	3 unit
Power Back Immunity	18 VDC
Rated Continuous Loading	10A @12Vdc / 8.2A @14.5Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relay contact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emissions
8	IN	L	Input terminals (phase conductor, no polarity at DC input)
9	IN	N	Input terminals (neutral conductor, no polarity at DC input)

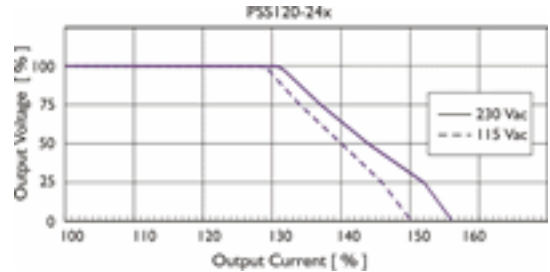
DIMENTISONAL DIAGRAM



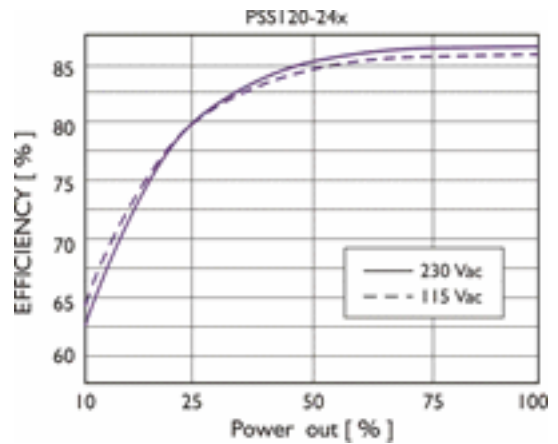
CIRCUIT SCHEMATIC



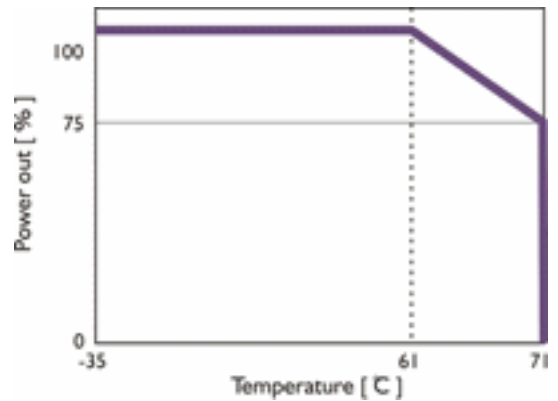
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



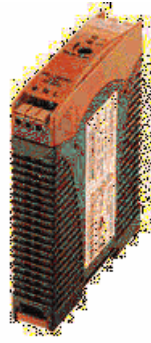
INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended. Connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches. 8m/m stripping at cable end recommends. Use copper conductors only, 60/75°C

CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends

PSS5/15/0.34



0.34A,5W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 to 265VAC
- Typical efficiency of 72%
- Compact design with a width of only 22.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	808000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	15 VDC
Output Current	340 mA
Output Wattage	5 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	70%
Efficiency (typ.)	72%
Standard Packing Qty	1
Cat. No.	PSS5/15/0.34

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.21 kg ; 56 pcs / 12.5 kg / 2.16 CUFT
Weight	120 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A
Power Dissipation (Vi: 230 VAC, Io norm)	2.1 W

INPUT SPECIFICATIONS....

Rated Input Current -Max. (Vi : 115 VAC)	200 mA
Rated Input Current -Typ. (Vi : 115 VAC)	115 mA
Rated Input Current -Typ. (Vi : 230 VAC)	80 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

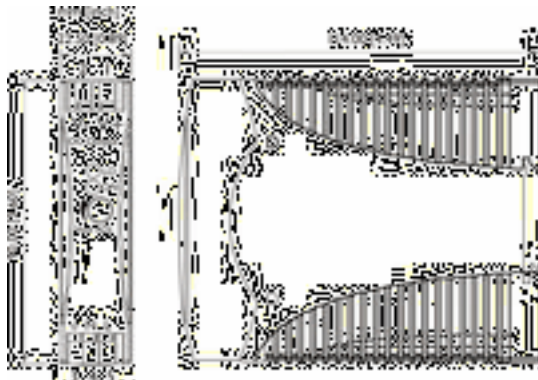
OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	11.0 to 13.5 VDC
DC ON Indicator Threshold at start up (Green LED)	11.0 to 13.5 VDC
Efficiency	72%
Fall Time	150 msec
Hold Up Time (Vi : 115VAC)	30 msec
Hold Up Time (Vi : 230VAC)	130 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	340 mA
Output Voltage	15 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +15 %
Power Back Immunity	22 VDC
Rated Continuous Loading	0.34A @15Vdc / 0.28A @17.25Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

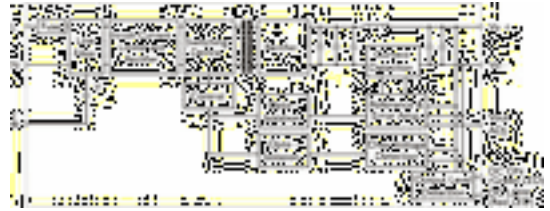
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emissions
4	IN	N	Input terminals (neutral conductor, no polarity at DC input)
5	IN	L	Input terminals (phase conductor, no polarity at DC input)

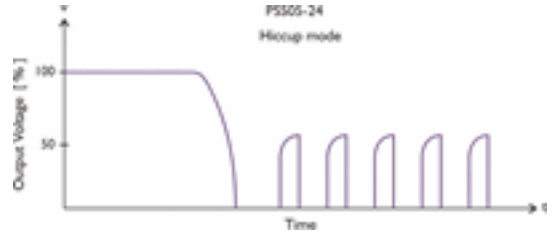
DIMENTISONAL DIAGRAM



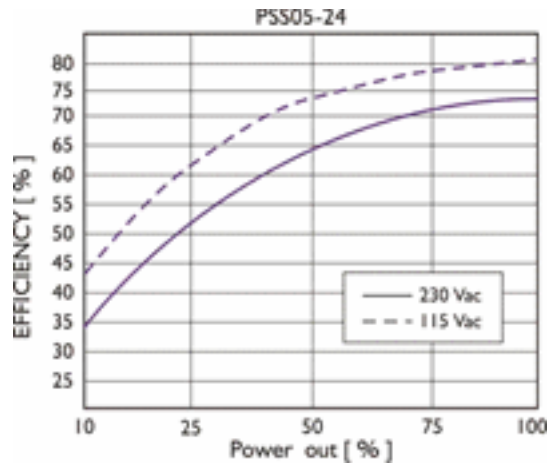
CIRCUIT SCHEMATIC



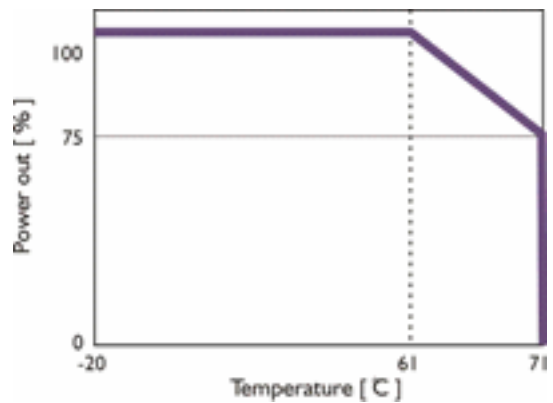
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



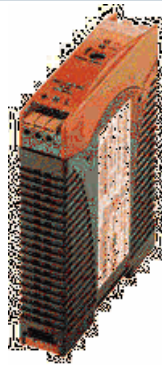
INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends. Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: AWG24-14 (0.2-2mm) flexible / solid cable, 10 m/m stripping at cable end recommends Use copper conductors only, 60 / 75 C

PSS10/15/0.67



0.67A,10W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 76%
- Compact design with a width of only 22.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	805000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	15 VDC
Output Current	670 mA
Output Wattage	10 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	74%
Efficiency (typ.)	76%
Standard Packing Qty	1
Cat. No.	PSS10/15/0.67

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.21 kg ; 56 pcs / 12.5 kg / 2.16 CUFT
Weight	120g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 145 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A

INPUT SPECIFICATIONS....

Power Dissipation (Vi: 230 VAC, Io norm)	3.3 W
Rated Input Current -Typ. (Vi : 115 VAC)	200 mA
Rated Input Current -Typ. (Vi : 230 VAC)	130 mA
Rated Input Current -Typ. (Vi : 90 VAC)	300 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

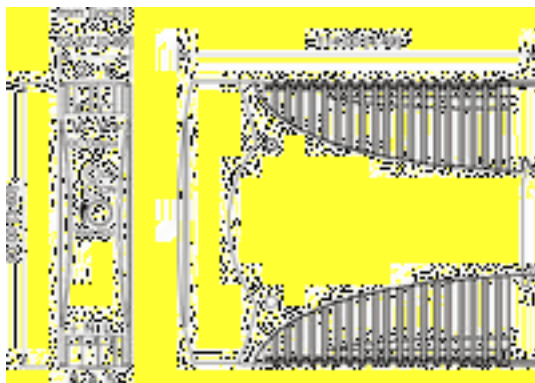
OUTPUT SPECIFICATIONS

Capacitor Load	3500 μ F
DC LOW Indicator Threshold after start up (Red LED)	11.0 to 13.5 VDC
DC ON Indicator Threshold at start up (Green LED)	11.0 to 13.5 VDC
Efficiency	76%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	100 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	670 mA
Output Voltage	15 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +15 %
Power Back Immunity	22 VDC
Rated Continuous Loading	0.67A @15Vdc / 0.58A @17.25Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emissions
4	IN	N	Input terminals (neutral conductor, no polarity at DC input)
5	IN	L	Input terminals (phase conductor, no polarity at DC input)

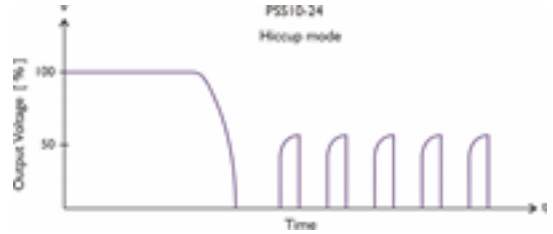
DIMENTISONAL DIAGRAM



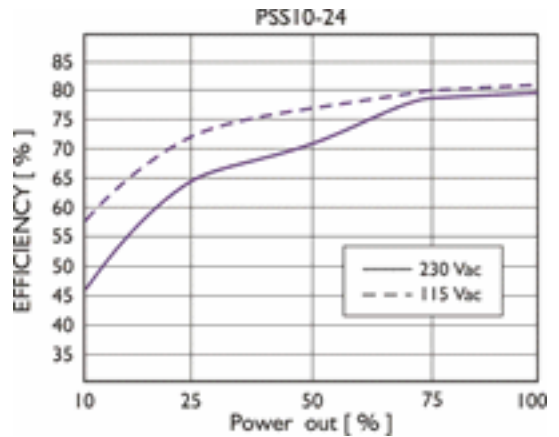
CIRCUIT SCHEMATIC



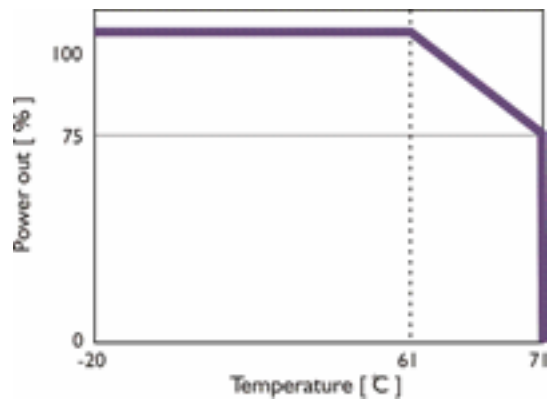
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



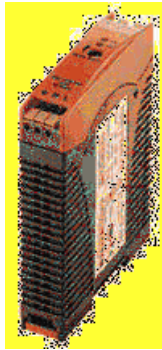
CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

PSS18/15/1.2



1.2A,18W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 77%
- Compact design with a width of only 22.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	796000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	15 VDC
Output Current	1200 A
Output Wattage	18 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	75%
Efficiency (typ.)	77%
Standard Packing Qty	1
Cat. No.	PSS18/15/1.2

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.23 kg ; 56 pcs / 14 kg / 2.16 CUFT
Weight	150 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3, EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 A
Leakage Current (Input-Output)	0.25 A
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A
Power Dissipation (Vi: 230 VAC, lo norm)	4.25 W

INPUT SPECIFICATIONS....

Rated Input Current -Typ. (Vi : 115 VAC)	335 A
Rated Input Current -Typ. (Vi : 230 VAC)	210 A
Rated Input Current -Typ. (Vi : 90 VAC)	500 A
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

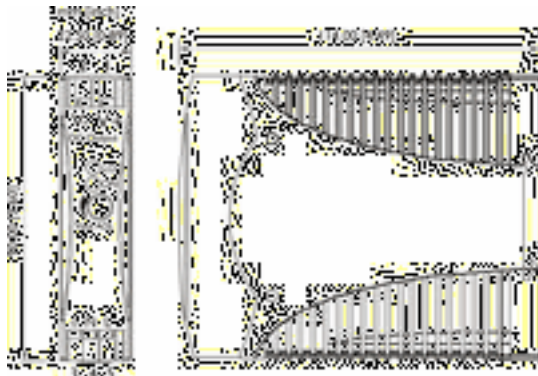
OUTPUT SPECIFICATIONS

Capacitor Load	7000 F
DC LOW Indicator Threshold after start up (Red LED)	11.0 to 13.5VDC
DC ON Indicator Threshold at start up (Green LED)	11.0 to 13.5VDC
Efficiency	77%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	75 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	1200 A
Output Voltage	15 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +15 %
Power Back Immunity	22 VDC
Rated Continuous Loading	1.2A @15Vdc / 1.0A @17.25Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

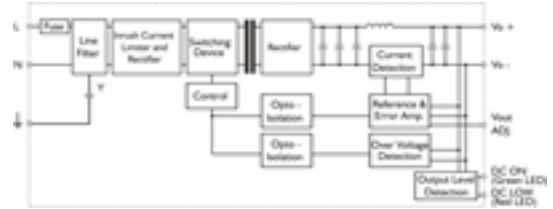
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emissions
4	IN	N	Input terminals (neutral conductor, no polarity at DC input)
5	IN	L	Input terminals (phase conductor, no polarity at DC input)

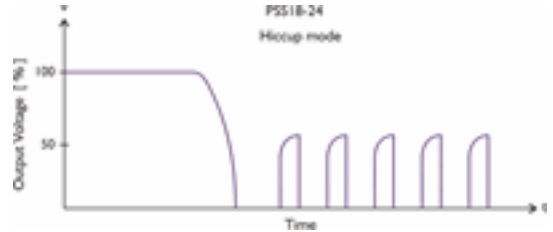
DIMENTISONAL DIAGRAM



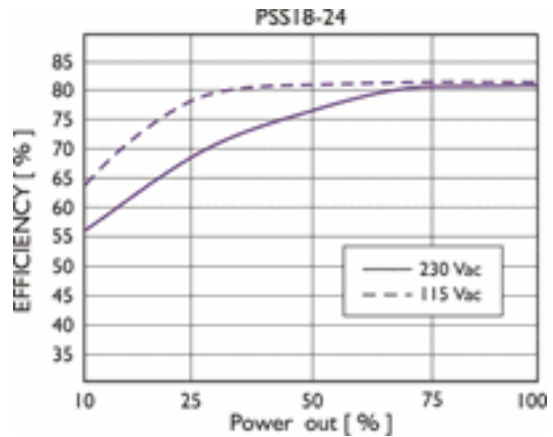
CIRCUIT SCHEMATIC



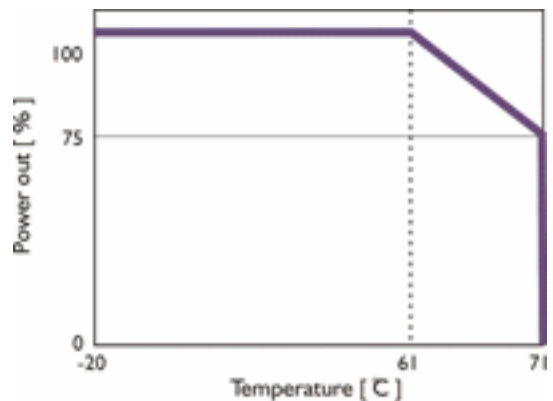
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends. Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PSS5/24/0.21



0.21A,5W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 to 265 VAC
- Typical efficiency of 69%
- Compact Design with a width of only 22.5 mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 °C
Ambient Temperature Range (Storage)	-25 to +85 °C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5 °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	812000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	210 mA
Output Wattage	5 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	70%
Efficiency (typ.)	72%
Standard Packing Qty	1
Cat. No.	PSS5/24/0.21

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.21 kg ; 56 pcs / 12.5 kg / 2.16 CUFT
Weight	120 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A
Power Dissipation (Vi: 230 VAC, Io norm)	1.8 W

INPUT SPECIFICATIONS....

Rated Input Current -Max. (Vi : 115 VAC)	200 mA
Rated Input Current -Typ. (Vi : 115 VAC)	115 mA
Rated Input Current -Typ. (Vi : 230 VAC)	80 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

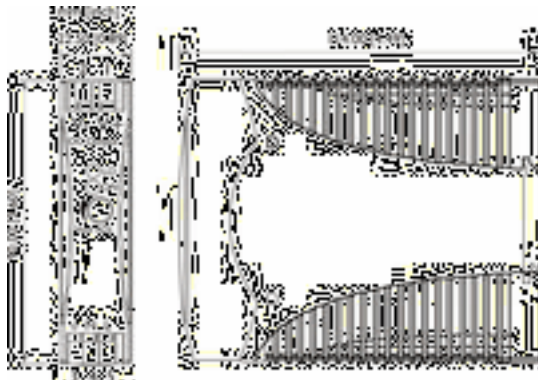
OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	18.0 to 21.6 VDC
DC ON Indicator Threshold at start up (Green LED)	18.0 to 21.6 VDC
Efficiency	72%
Fall Time	150 msec
Hold Up Time (Vi : 115VAC)	30 msec
Hold Up Time (Vi : 230VAC)	130 secs
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	210 mA
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +20 %
Power Back Immunity	35 VDC
Rated Continuous Loading	0.21A @24Vdc / 0.17A @28.8Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

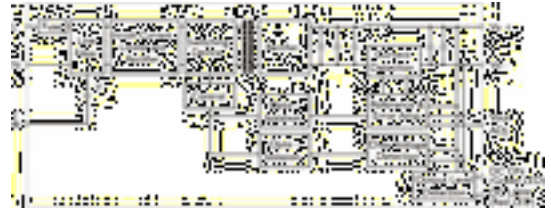
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emissions
4	IN	N	Input terminals (neutral conductor, no polarity at DC input)
5	IN	L	Input terminals (phase conductor, no polarity at DC input)

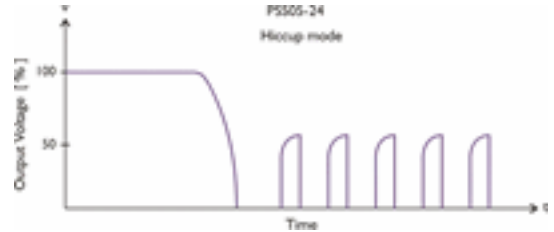
DIMENTISONAL DIAGRAM



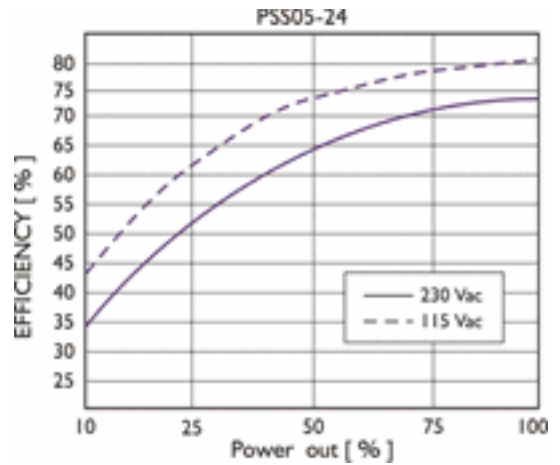
CIRCUIT SCHEMATIC



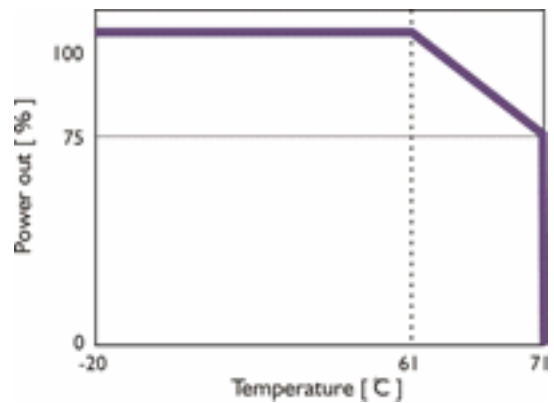
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



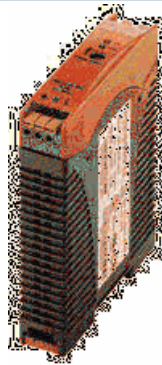
CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends. Use Cu conductors only, 60/75 deg.C

PSS10/24/0.42



0.42A,10W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 76%
- Compact design with a width of only 22.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	808000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	420 mA
Output Wattage	10 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	74%
Efficiency (typ.)	76%
Standard Packing Qty	1
Cat. No.	PSS10/24/0.42

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.21 kg ; 56 pcs / 12.5 kg / 2.16 CUFT
Weight	120 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 145 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	2.5 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A

INPUT SPECIFICATIONS....

Power Dissipation (Vi: 230 VAC, Io norm)	2.8 W
Rated Input Current -Typ. (Vi : 115 VAC)	200 mA
Rated Input Current -Typ. (Vi : 230 VAC)	130 mA
Rated Input Current -Typ. (Vi : 90 VAC)	300 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

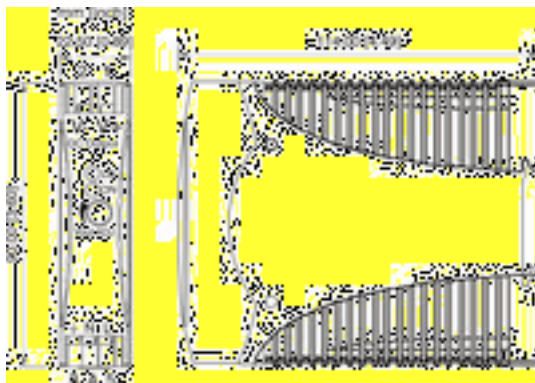
OUTPUT SPECIFICATIONS

Capacitor Load	3500 μ F
DC LOW Indicator Threshold after start up (Red LED)	18.0 to 21.6 VDC
DC ON Indicator Threshold at start up (Green LED)	18.0 to 21.6 VDC
Efficiency	72%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	100 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	420 mA
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +20 %
Power Back Immunity	35 VDC
Rated Continuous Loading	0.42A @24Vdc / 0.34A @28.8Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emissions
4	IN	N	Input terminals (neutral conductor, no polarity at DC input)
5	IN	L	Input terminals (phase conductor, no polarity at DC input)

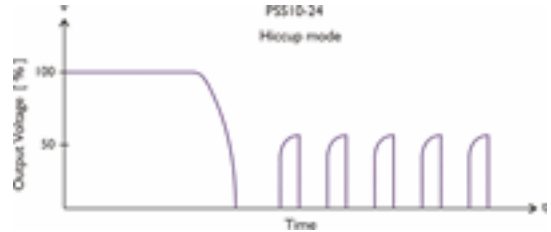
DIMENTISONAL DIAGRAM



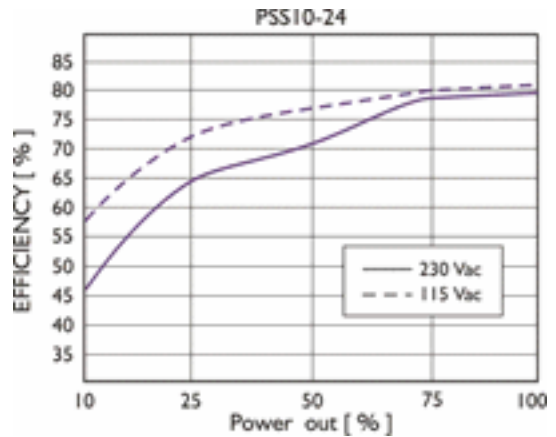
CIRCUIT SCHEMATIC



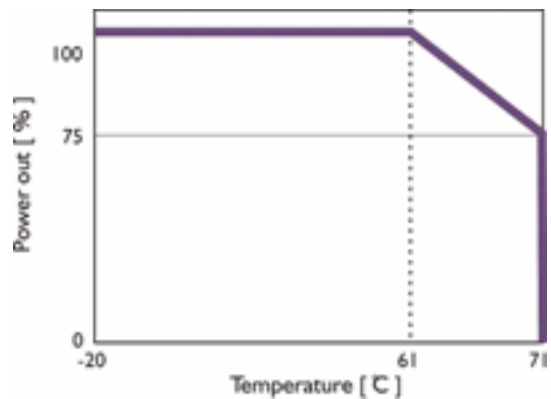
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



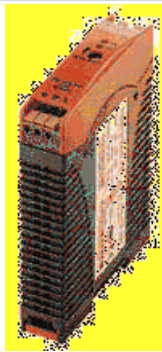
INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends. Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: AWG24-14 (0.2-2mm) flexible / solid cable, 10 m/m stripping at cable end recommends Use copper conductors only, 60 / 75 C

PSS18/24/0.75



0.75A,18W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 to 264VAC
- Typical efficiency of 77%
- Compact design with a width of only 22.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-20 to +71 deg.C
Ambient Temperature Range (Storage)	-25 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W22.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	800000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	132 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	750 m A
Output Wattage	18 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	75%
Efficiency (typ.)	77%
Standard Packing Qty	1
Cat. No.	PSS18/24/0.75

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 22.5 X 114 mm
Packing	0.23 kg ; 56 pcs / 14 kg / 2.16 CUFT
Weight	150 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 EN 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3, EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power Recognized ISA 12.12.01(Class 1, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	125 to 145 %
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 m A
Leakage Current (Input-Output)	0.25 m A
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	10 A
Max. Inrush Current (Vi: 230 VAC)	18 A
Power Dissipation (Vi: 230 VAC, Io norm)	4.45 W

INPUT SPECIFICATIONS....

Rated Input Current -Typ. (Vi : 115 VAC)	335 mA
Rated Input Current -Typ. (Vi : 230 VAC)	210 mA
Rated Input Current -Typ. (Vi : 90 VAC)	500 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

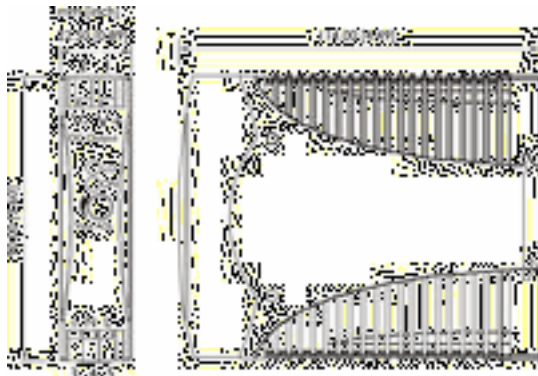
OUTPUT SPECIFICATIONS

Capacitor Load	7000 μ F
DC LOW Indicator Threshold after start up (Red LED)	18 to 21.6VDC
DC ON Indicator Threshold at start up (Green LED)	18 to 21.6VDC
Efficiency	77%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	75 msec
Line Regulation	+/-1 %
Load Regulation	+/-2 %
Minimum Load	0 %
Output Current	750 mA
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	-10 to +20 %
Power Back Immunity	35 VDC
Rated Continuous Loading	0.75A @24Vdc / 0.6A @28.8Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

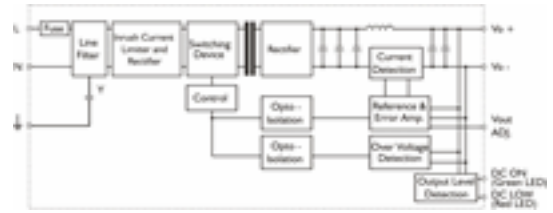
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	LO	DC LOW indicator LED
	OTHER	ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V+	Positive output terminal
2	OUT	V-	Negative output terminal
3	IN	Ground	Ground this terminal to minimize high frequency emissions
4	IN	N	Input terminals (neutral conductor, no polarity at DC input)
5	IN	L	Input terminals (phase conductor, no polarity at DC input)

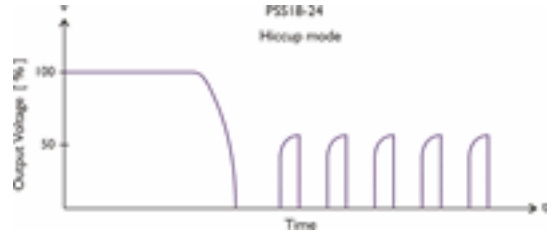
DIMENTISONAL DIAGRAM



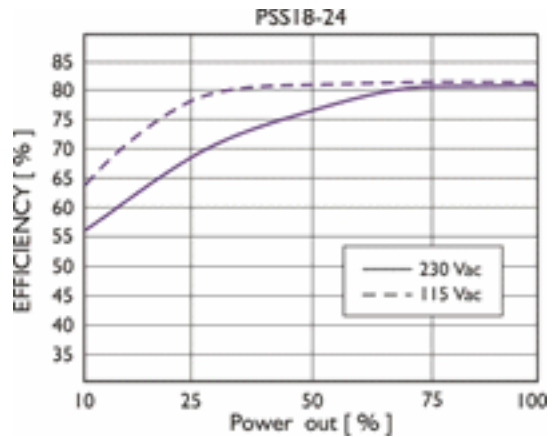
CIRCUIT SCHEMATIC



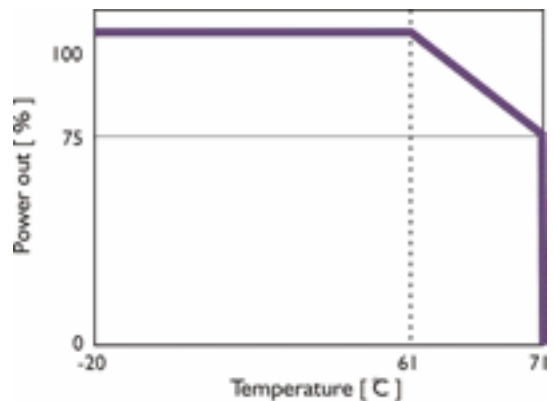
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



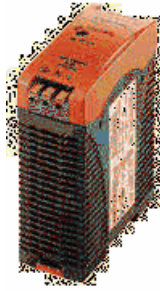
CONNECTION DETAILS

Spring terminal: 2 AWG24-14 (0.2-2mm) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

PSS30/24/1.25



1.25A,30W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 85 to 264VAC
- Typical efficiency of 86%
- Compact design with a width of only 40.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% / °C
Dimension	Spring Terminal Type , L90 X W40.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	588000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	80-135 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	1250 mA
Output Wattage	30 W
Input Voltage Range	85 - 264 VAC
Efficiency (min.)	83%
Efficiency (typ.)	86%
Standard Packing Qty	1
Cat. No.	PSS30/24/1.25

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 40.5 X 114 mm
Packing	0.35 kg ; 40 pcs / 15 kg / 2.16 CUFT
Weight	270 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3, EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4, EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 5V w/o Class 2) Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	30 to 33 VDC
Power Ready	Threshold Voltage of Contact Closed(at Strat up)18.8 / 19.6 VDC min/max
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	85 to 264
DC Input Voltage Range	90 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	5.5 W
Rated Input Current -Max. (Vi : 115 VAC)	800 mA
Rated Input Current -Typ. (Vi : 115 VAC)	560 mA
Rated Input Current -Typ. (Vi : 230 VAC)	330 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 μ F
DC ON Indicator Threshold at start up (Green LED)	18.0 to 21.6VDC
Efficiency	86%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation	+/- 0.5 %
Minimum Load	0 %
Output Current	1250 mA
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	24 to 28 VDC
Power Back Immunity	35 VDC
Rated Continuous Loading	1.25A @24Vdc / 1.05A @28Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	2000 msec

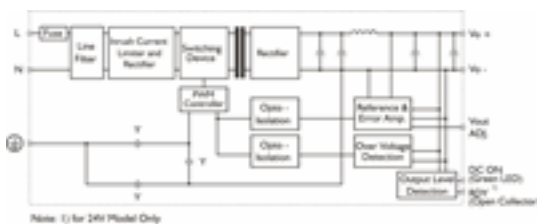
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	DC OK output for relay (not connect except 24V model)
2	OUT	+	Positive output terminal
3	OUT	+	Positive output terminal
4	OUT	-	Negative output terminal
5	OUT	-	Negative output terminal
6	IN	Ground	Ground this terminal to minimize high frequency emissions
7	IN	N	Input terminals (neutral conductor, no polarity at DC input)
8	IN	L	Input terminals (phase conductor, no polarity at DC input)

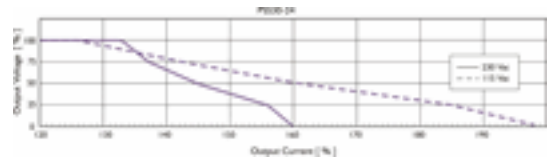
DIMENTISONAL DIAGRAM



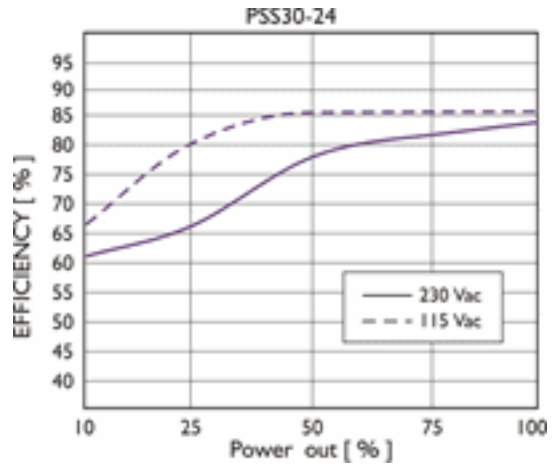
CIRCUIT SCHEMATIC



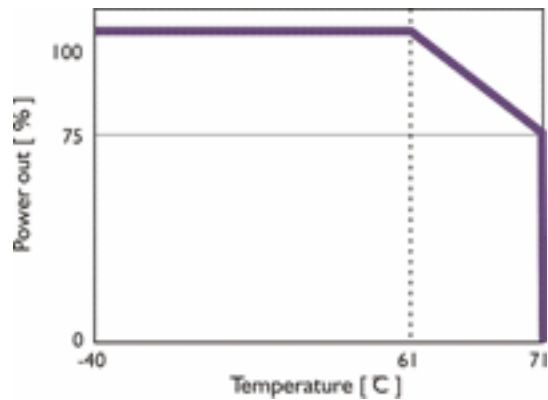
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends. Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: AWG24-14 (0.2-2mm²) flexible / solid cable, 10 m/m stripping at cable end recommends Use copper conductors only, 60 / 75 C

PSS60/24/2.5



2.5A,60W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 85 to 264VAC
- Typical efficiency of 89%
- Compact design with a width of only 40.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W40.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	520000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55-90 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	2500 mA
Output Wattage	60 W
Input Voltage Range	85 - 264 VAC
Efficiency (min.)	86%
Efficiency (typ.)	89%
Standard Packing Qty	1
Cat. No.	PSS60/24/2.5

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 40.5 X 114 mm
Packing	0.41kg ; 40 pcs / 17.5 kg / 2.16 CUFT
Weight	340 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3, EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2, Power (only 5V,12V w/o Class 2) Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	30.0 to 33.0 VDC
Power Ready	Rdy on (Threshold at start up) at 19.2-19.4 VDC & Rdy off (Threshold after start up) at 19.1-19.3 VDC
Rated over load protection	110 to 150 %

INPUT SPECIFICATIONS

AC Input Voltage Range	85 to 264
DC Input Voltage Range	90 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	8.8 W
Rated Input Current -Max. (Vi : 115 VAC)	1500 mA
Rated Input Current -Typ. (Vi : 115 VAC)	1060 mA
Rated Input Current -Typ. (Vi : 230 VAC)	590 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 μ F
DC ON Indicator Threshold at start up (Green LED)	18.0 to 21.6 VDC
Efficiency	89%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation	+/- 0.5 %
Minimum Load	0 %
Output Current	2500 mA
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	24 to 28 VDC
Power Back Immunity	35 VDC
Rated Continuous Loading	2.5A @24Vdc / 2.1A @28Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

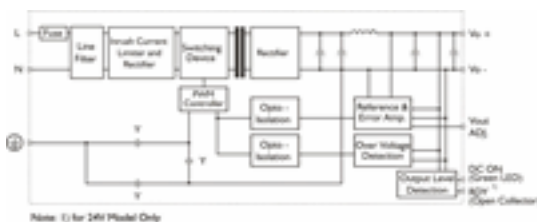
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	DC OK output for relay (not connect except 24V model)
2	OUT	+	Positive output terminal
3	OUT	+	Positive output terminal
4	OUT	-	Negative output terminal
5	OUT	-	Negative output terminal
6	IN	Ground	Ground this terminal to minimize high frequency emissions
7	IN	N	Input terminals (neutral conductor, no polarity at DC input)
8	IN	L	Input terminals (phase conductor, no polarity at DC input)

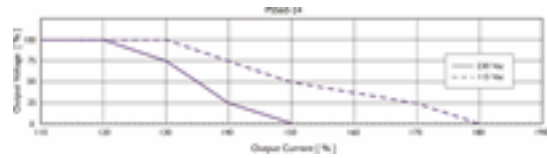
DIMENTISONAL DIAGRAM



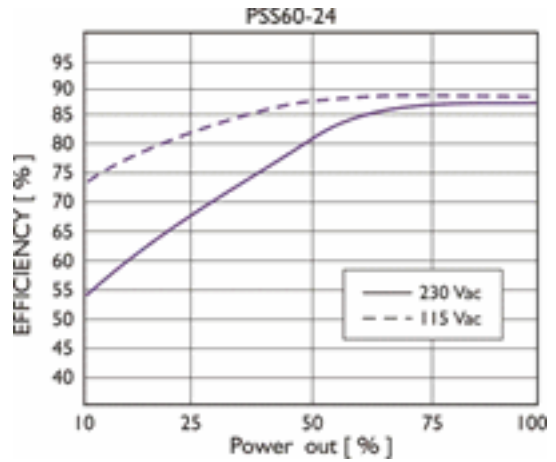
CIRCUIT SCHEMATIC



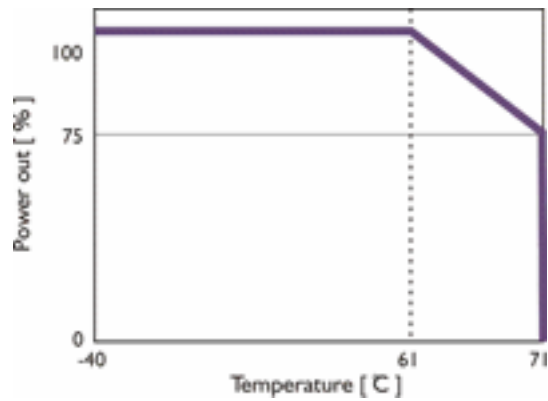
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends.Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal:AWG24-14 (0.2-2mm²) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PSS100/24/3.8-L



3.8A,100W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 /264VAC Auto select
- Typical efficiency of 88%
- Compact design with a width of only 54mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-35 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	L90 X W54 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	493000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	3.8 A
Output Wattage	91.2 W
Input Voltage Range	90/264 VAC
Efficiency (min.)	83%
Efficiency (typ.)	85%
Standard Packing Qty	1
Cat. No.	PSS100/24/3.8-L

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 54 X 114 mm
Packing	0.51kg ; 32 pcs / 17.5 kg / 1.85 CUFT
Weight	430 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 24V/E w/o Class 2) Recognized
Vibration resistance:	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	24.5 to 25.5 VDC
Power Ready	Threshold voltage of contact closed(at start up) 17.6-19.4 VDC Electrical isolation 500VDC Contact rating at 60VDC,0.3A
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
Power Dissipation (Vi: 230 VAC, lo norm)	14 W
Rated Input Current -Typ. (Vi : 115 VAC)	1.65 A
Rated Input Current -Typ. (Vi : 230 VAC)	0.83 A
Rated Input Current -Typ. (Vi : 90 VAC)	2.4 A
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up	17.6 to 19.4 VDC

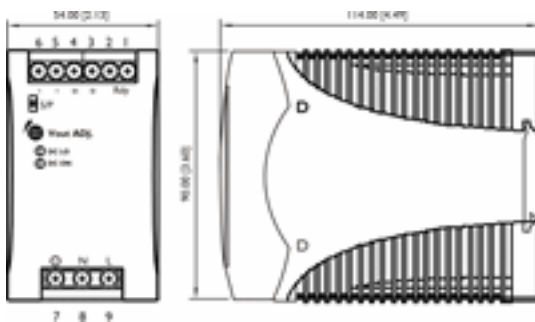
OUTPUT SPECIFICATIONS....

(Red LED)	
DC ON Indicator Threshold at start up (Green LED)	17.6 to 19.4 VDC
Efficiency	88%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	15 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	3.8 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	22.5 to 24.5 VDC
Power Back Immunity	35 VDC
Rated Continuous Loading	3.8A @24Vdc / 3.7A @24.5Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emissions
8	IN	N	Input terminals (neutral conductor, no polarity at DC input)
9	IN	L	Input terminals (phase conductor, no polarity at DC input)

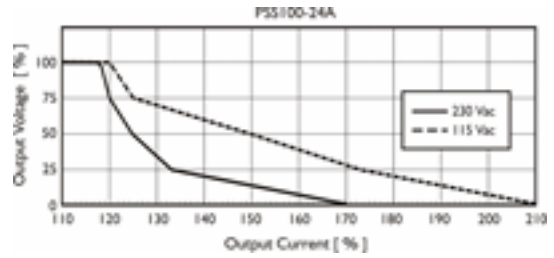
DIMENTENSIONAL DIAGRAM



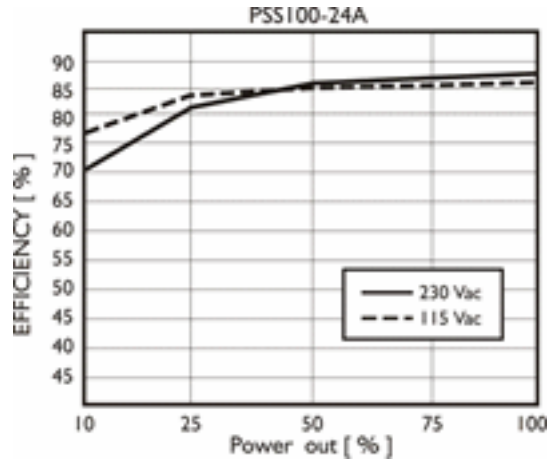
CIRCUIT SCHEMATIC



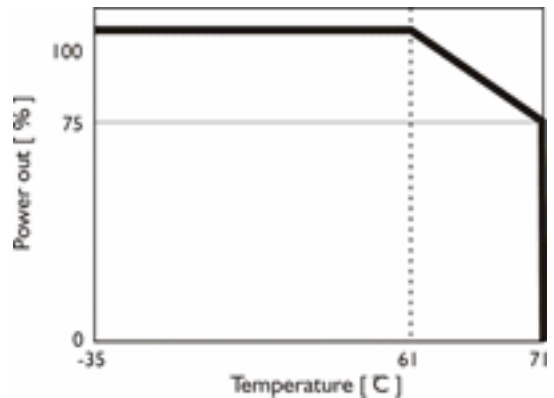
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches.

INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches

PSS100/24/4.2



4.2A,100W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 /264VAC Auto select
- Typical efficiency of 88%
- Compact design with a width of only 54mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-35 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	L90 X W54 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	456000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	4.2 A
Output Wattage	100.8 W
Input Voltage Range	90-264 VAC
Efficiency (min.)	84%
Efficiency (typ.)	86%
Standard Packing Qty	1
Cat. No.	PSS100/24/4.2

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 54 X 114 mm
Packing	0.51kg ; 32 pcs / 17.5 kg / 1.85 CUFT
Weight	430 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 24V/E w/o Class 2) Recognized
Vibration resistance:	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	30 to 33 VDC
Power Ready	Threshold voltage of contact closed(at start up) 17.6-19.4 VDC Electrical isolation 500VDC Contact rating at 60VDC,0.3A
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
Power Dissipation (Vi: 230 VAC, lo norm)	15 W
Rated Input Current -Typ. (Vi : 115 VAC)	1.65 A
Rated Input Current -Typ. (Vi : 230 VAC)	0.83 A
Rated Input Current -Typ. (Vi : 90 VAC)	2.4 A
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up	17.6 to 19.4 VDC

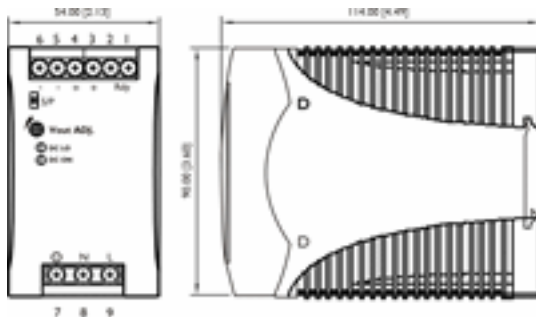
OUTPUT SPECIFICATIONS....

(Red LED)	
DC ON Indicator Threshold at start up (Green LED)	17.6 to 19.4 VDC
Efficiency	88%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	15 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	4.2 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	22.5 to 28.5 VDC
Parallel Operation	3 unit
Power Back Immunity	35 VDC
Rated Continuous Loading	4.2A @24Vdc / 3.5A @28.5Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emissions
8	IN	N	Input terminals (neutral conductor, no polarity at DC input)
9	IN	L	Input terminals (phase conductor, no polarity at DC input)

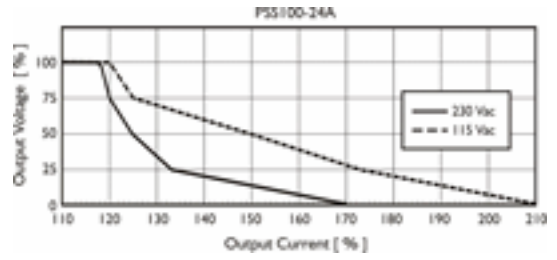
DIMENTIONAL DIAGRAM



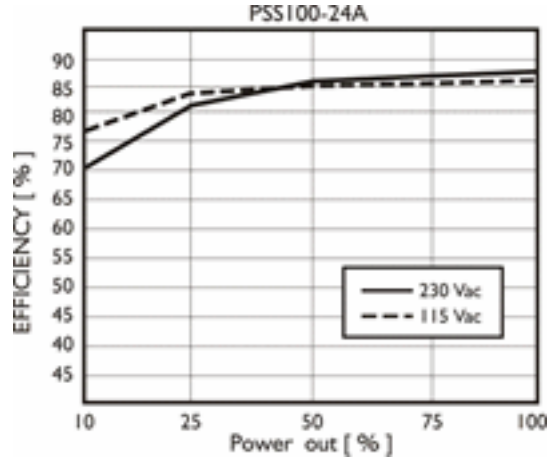
CIRCUIT SCHEMATIC



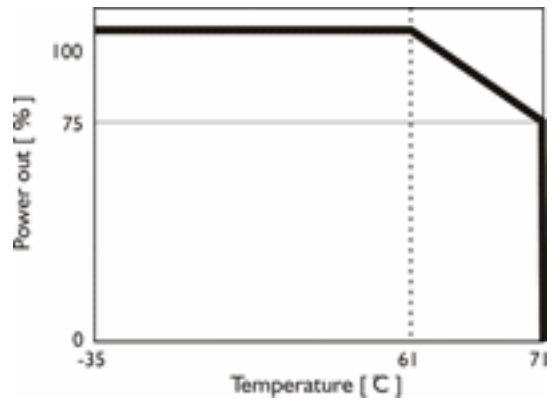
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Screw terminal:AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches.

INSTALLATION DETAILS

Cooling Normal convection.All sides 25mm free space.For cooling recommened connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches

PSS120/24/3.8-L



3.8A,120W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 115 /230 VAC Auto select
- Typical efficiency of 85%
- Compact design with a width of only 64mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-35 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Screw terminal type L124.5 X W64 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	486000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	3.8 A
Output Wattage	91.2 W
Input Voltage Range	90-264 VAC
Efficiency (min.)	83%
Efficiency (typ.)	85%
Standard Packing Qty	1
Cat. No.	PSS120/24/3.8-L

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 64 X 123.6 mm
Packing	1.02kg ; 20 pcs / 21.5 kg / 2.01 CUFT
Weight	920 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (24V/E Models only) Recognized ISA 12.12.01 (Class I, Division 2, Groups A,B,C, and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	102 to 106 %
Power Ready	Threshold voltage of contact closed (at start up) 17.6-19.4 VDC Electrical isolation 500VDC Contact rating at 60VDC,0.3A
Rated over load protection	102 to 108 %

INPUT SPECIFICATIONS

DC Input Voltage Range	210 to 375
Input Phase	Single
Input Voltage Range (115VAC Selected)	90 to 132 VAC
Input Voltage Range (230VAC Selected)	180 to 264 VAC
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	24 A
Max. Inrush Current (Vi: 230 VAC)	48 A
P.F.C. (Passive)	0.7 typ.
Power Dissipation (Vi: 230 VAC, lo norm)	16 W
Rated Input Current -Max. (Vi : 115 VAC)	2.0 A
Rated Input Current -Max. (Vi : 230 VAC)	0.8 A
Rated Input Current -Typ. (Vi : 115 VAC)	1.65 A
Rated Input Current -Typ. (Vi : 230 VAC)	0.65 A
Rated Input Voltage	115 /230 VAC (auto select)

OUTPUT SPECIFICATIONS

Capacitor Load	3500 μ F
DC LOW Indicator Threshold after start up (Red LED)	17.6 to 19.4 VDC
DC ON Indicator Threshold at start up (Green LED)	17.6 to 19.4 VDC
Efficiency	85%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	3.8 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	22.5 to 24.5 VDC
Power Back Immunity	35 VDC
Rated Continuous Loading	3.8A @24Vdc / 3.7A @24.5Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emissions
8	IN	L	Input terminals (phase conductor, no polarity at DC input)
9	IN	N	Input terminals (neutral conductor, no polarity at DC input)

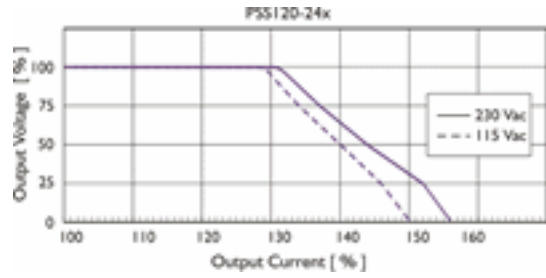
DIMENTISONAL DIAGRAM



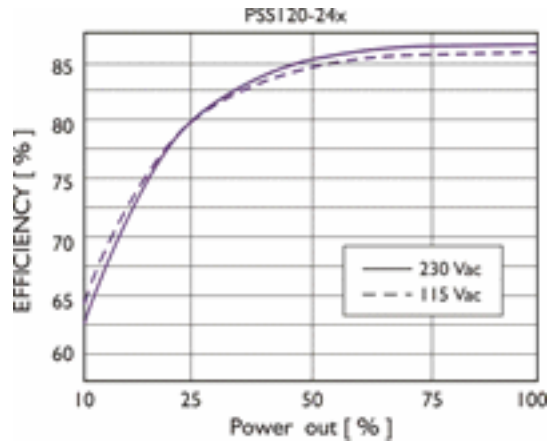
CIRCUIT SCHEMATIC



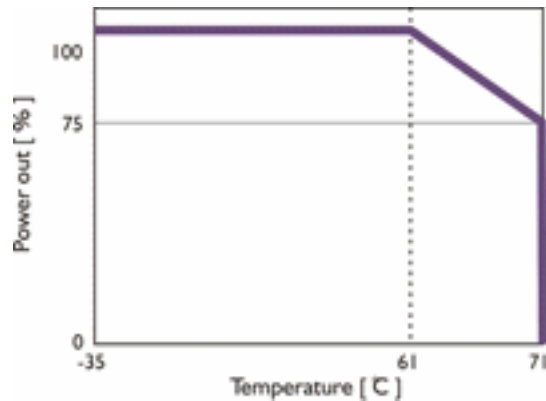
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended. Connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches. 8m/m stripping at cable end recommends. Use copper conductors only, 60/75°C

CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends

PSS120/24/5



5A,120W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90/264 VAC Auto select
- Typical efficiency of 86%
- Compact design with a width of only 64mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-35 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Screw terminal type L124.5 X W64 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	450000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	5 A
Output Wattage	120 W
Input Voltage Range	115/230 VAC
Efficiency (min.)	84%
Efficiency (typ.)	86%
Standard Packing Qty	1
Cat. No.	PSS120/24/5

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 64 X 123.6 mm
Packing	1.02kg ; 20 pcs / 21.5 kg / 2.01 CUFT
Weight	920 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (24V/E Models only) Recognized ISA 12.12.01 (Class I, Division 2, Groups A,B,C, and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	125 to 140 %
Power Ready	Threshold voltage of contact closed (at start up) 17.6-19.4 VDC Electrical isolation 500VDC Contact rating at 60VDC,0.3A
Rated over load protection	110 to 145 %

INPUT SPECIFICATIONS

DC Input Voltage Range	210 to 375
Input Phase	Single
Input Voltage Range (115VAC Selected)	90 to 132 VAC
Input Voltage Range (230VAC Selected)	180 to 264 VAC
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	24 A
Max. Inrush Current (Vi: 230 VAC)	48 A
P.F.C. (Passive)	0.7 typ.
Power Dissipation (Vi: 230 VAC, lo norm)	20 W
Rated Input Current -Max. (Vi : 115 VAC)	2.8 A
Rated Input Current -Max. (Vi : 230 VAC)	1.4 A
Rated Input Current -Typ. (Vi : 115 VAC)	2.2 A
Rated Input Current -Typ. (Vi : 230 VAC)	0.83 A
Rated Input Voltage	115 /230 VAC (auto select)

OUTPUT SPECIFICATIONS

Capacitor Load	3500 μ F
DC LOW Indicator Threshold after start up (Red LED)	17.6 to 19.4 VDC
DC ON Indicator Threshold at start up (Green LED)	17.6 to 19.4 VDC
Efficiency	86%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	5 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	22.5 to 28.5 VDC
Parallel Operation	3 unit
Power Back Immunity	35 VDC
Rated Continuous Loading	5A @24Vdc / 4.2A @28.5Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emissions
8	IN	L	Input terminals (phase conductor, no polarity at DC input)
9	IN	N	Input terminals (neutral conductor, no polarity at DC input)

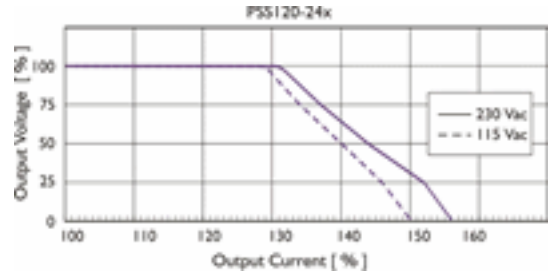
DIMENTISONAL DIAGRAM



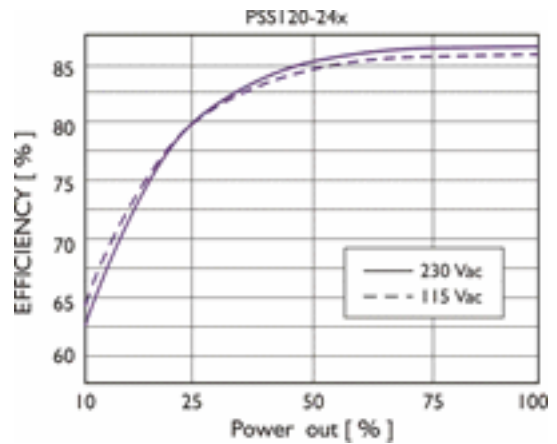
CIRCUIT SCHEMATIC



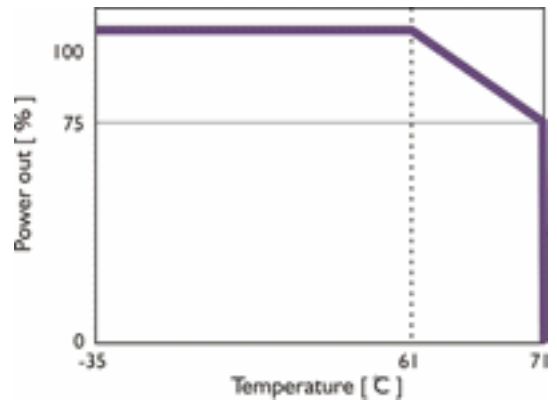
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends

INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended. Connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches. 8m/m stripping at cable end recommends. Use copper conductors only, 60/75°C

PSS240/24/10



10A,240W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 - 264 VAC Auto select
- Typical efficiency of 89%
- Compact design with a width of only 83.5mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Screw terminal type L124.5 X W83.5 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	423000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	40 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	10 A
Output Wattage	240 W
Input Voltage Range	90-264 VAC
Efficiency (min.)	87%
Efficiency (typ.)	89%
Standard Packing Qty	1
Cat. No.	PSS240/24/10

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 83.5 X 123.6 mm
Packing	1.5kg ; 16 pcs / 25 kg / 2.01 CUFT
Weight	1380g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme, EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (24V/E Models only) Recognized ISA 12.12.01 (Class I, Division 2, Groups A, B, C, and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T6.3A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	125 to 140 %
Power Ready	Threshold voltage of contact closed(at start up) 17.6-19.4 VDC Electrical isolation 500VDC Contact rating at 60VDC,0.3A
Rated over load protection	120 to 145 %

INPUT SPECIFICATIONS

DC Input Voltage Range	210 to 375
Input Phase	Single
Input Voltage Range (115VAC Selected)	90 to 132 VAC
Input Voltage Range (230VAC Selected)	180 to 264 VAC
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
P.F.C. (Passive)	0.7 typ.
Power Dissipation (Vi: 230 VAC, Io norm)	35 W
Rated Input Current -Max. (Vi : 115 VAC)	5.4 A
Rated Input Current -Max. (Vi : 230 VAC)	2.2 A
Rated Input Current -Typ. (Vi : 115 VAC)	4.0 A
Rated Input Current -Typ. (Vi : 230 VAC)	1.55 A
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
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OUTPUT SPECIFICATIONS....

DC LOW Indicator Threshold after start up (Red LED)	17.6 to 19.4 VDC
DC ON Indicator Threshold at start up (Green LED)	17.6 to 19.4 VDC
Efficiency	90%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	10 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	22.5 to 28.5 VDC
Parallel Operation	3 unit
Power Back Immunity	35 VDC
Rated Continuous Loading	10A @24Vdc / 8.4A @28.5Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emissions
8	IN	L	Input terminals (phase conductor, no polarity at DC input)
9	IN	N	Input terminals (neutral conductor, no polarity at DC input)

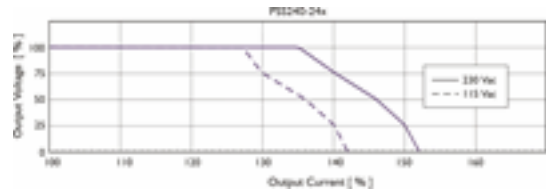
DIMENTENSIONAL DIAGRAM



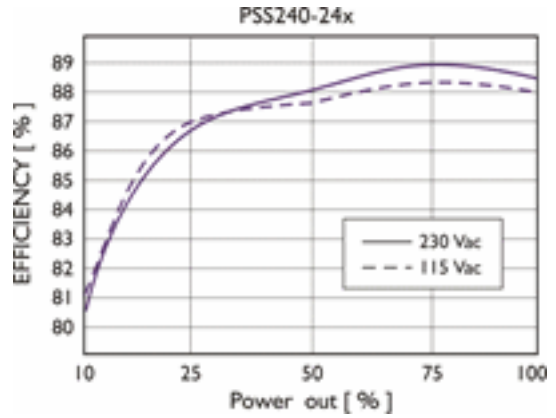
CIRCUIT SCHEMATIC



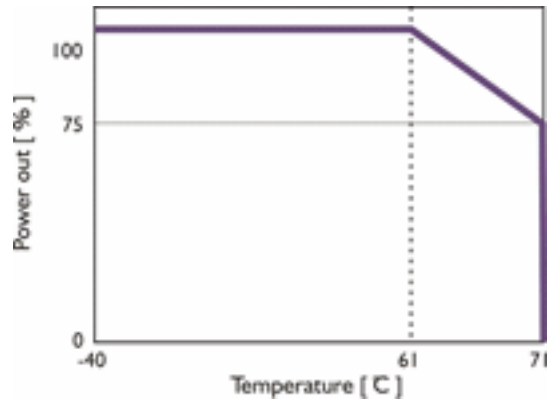
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends

INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches 8m/m stripping at cable end recommends.

PSS300/24/12.5



12.5A,300W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 -264 VAC Auto select
- Typical efficiency of 89%
- Compact design with a width of only 83.5mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-30 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	Screw terminal type L124.5 X W83.5 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	415000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	40 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	12.5 A
Output Wattage	300 W
Input Voltage Range	90-264 VAC
Efficiency (min.)	87%
Efficiency (typ.)	89%
Standard Packing Qty	1
Cat. No.	PSS300/24/12.5

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 83.5 X 123.6 mm
Packing	1.53kg ; 16 pcs / 25.5 kg / 2.01 CUFT
Weight	1400 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3, EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (24V/E Models only) Recognized ISA 12.12.01 (Class I, Division 2, Groups A,B,C, and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T8A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	125 to 140 %
Power Ready	Threshold voltage of contact closed(at start up) 17.6-19.4 VDC Electrical isolation 500VDC Contact rating at 60VDC,0.3A
Rated over load protection	120 to 145 %

INPUT SPECIFICATIONS

DC Input Voltage Range	210 to 375
Input Phase	Single
Input Voltage Range (115VAC Selected)	90 to 132 VAC
Input Voltage Range (230VAC Selected)	180 to 264 VAC
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	35 A
Max. Inrush Current (Vi: 230 VAC)	65 A
P.F.C. (Passive)	0.7 typ.
Power Dissipation (Vi: 230 VAC, lo norm)	42 W
Rated Input Current -Max. (Vi : 115 VAC)	6.0 A
Rated Input Current -Max. (Vi : 230 VAC)	3.0 A
Rated Input Current -Typ. (Vi : 115 VAC)	4.8 A
Rated Input Current -Typ. (Vi : 230 VAC)	1.9 A
Rated Input Voltage	115 /230 VAC (auto select)

OUTPUT SPECIFICATIONS

Capacitor Load	7000 μ F
DC LOW Indicator Threshold after start up (Red LED)	17.6 to 19.4 VDC
DC ON Indicator Threshold at start up (Green LED)	17.6 to 19.4 VDC
Efficiency	90%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	12.5 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	22.5 to 28.5 VDC
Parallel Operation	3 unit
Power Back Immunity	35 VDC
Rated Continuous Loading	12.5A @24Vdc / 10.5A @28.5Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

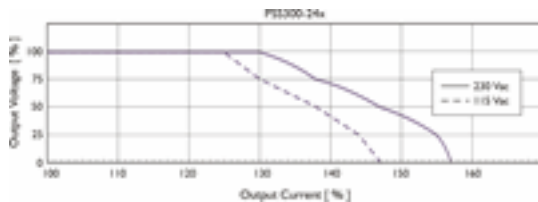
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch (Except 24V/E models)
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emissions
8	IN	L	Input terminals (phase conductor, no polarity at DC input)
9	IN	N	Input terminals (neutral conductor, no polarity at DC input)

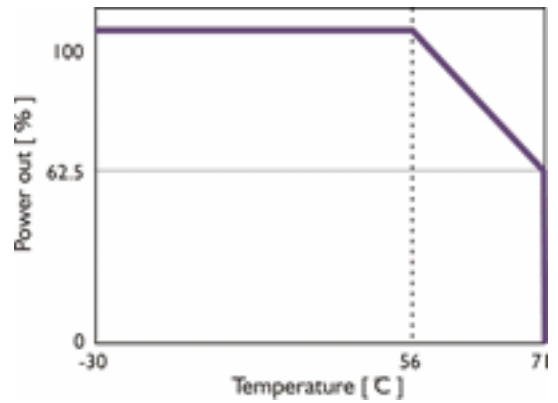
CIRCUIT SCHEMATIC



CURRENT LIMITED CURVE



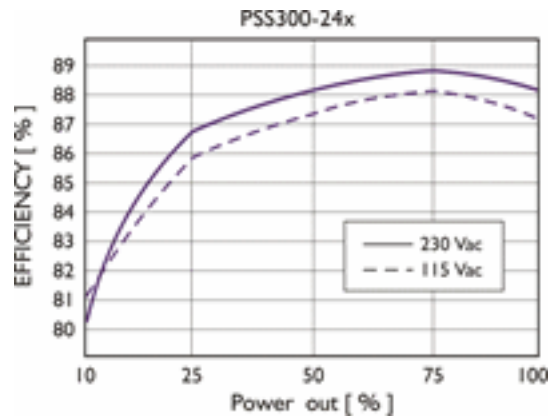
DERATING CURVE



DIMENTIONAL DIAGRAM



EFFICIENCY CURVE



CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends

INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches 8m/m stripping at cable end recommends.

PSS480/24/20



20A,480W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 89 to 264 VAC Auto select
- Typical efficiency of 89%
- Compact design with a width of only 175.50mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +56°C to +71°C (see derating curve)	2.5% per °C
Dimension	Screw terminal type L124.5 X W175.5 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	403000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	40 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	20 A
Output Wattage	480 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	86%
Efficiency (typ.)	89%
Standard Packing Qty	1
Cat. No.	PSS480/24/20

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 175.5 X 123.6 mm
Packing	2.3kg ; 8 pcs / 20kg / 2.35 CUFT
Weight	1920 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme, EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01 (Class I, Division 2, Groups A, B, C, and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T10A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	125 to 140 %
Power Ready	Threshold voltage of contact closed(at start up) 17.6-19.4 VDC Electrical isolation 500VDC Contact rating at 60VDC,0.3A
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	180 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi : 115 VAC)	25 A
Max. Inrush Current (Vi : 230 VAC)	50 A
P.F.C. (Passive)	0.99/0.97 typ.
Power Dissipation (Vi : 230 VAC, lo norm)	63 W
Rated Input Current -Max. (Vi : 115 VAC)	7 A
Rated Input Current -Max. (Vi : 230 VAC)	3.5 A
Rated Input Current -Typ. (Vi : 115 VAC)	4.9 A
Rated Input Current -Typ. (Vi : 230 VAC)	2.5 A
Rated Input Voltage	115 /230 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	17.6 to 19.4 VDC
DC ON Indicator Threshold at start up (Green LED)	17.6 to 19.4 VDC
Efficiency	89%
Fall Time	150 msec
Hold Up Time (Vi : 115VAC)	25 msec
Hold Up Time (Vi : 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %

OUTPUT SPECIFICATIONS....

Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	20 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	22.5 to 28.5 VDC
Parallel Operation	3 unit
Power Back Immunity	35 VDC
Rated Continuous Loading	20A @24Vdc / 16.8A @28.5Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

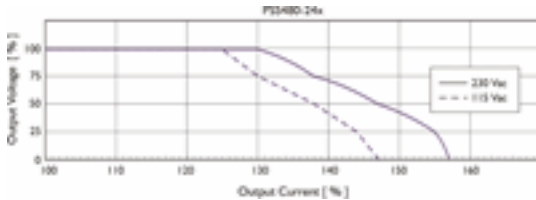
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch (Except 24V/E models)
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1,2	OUT	V-	Negative output terminal
3,4	OUT	V+	Positive output terminal
5	OUT	RDY	A normal open relaycontact for DC ON level control
6	OUT		(never connect except 24V model)
7	IN	L	Input terminals (phase conductor, no polarity at DC input)
8	IN	N	Input terminals (neutral conductor, no polarity at DC input)
9	IN	Ground	Ground this terminal to minimize high frequency emissions

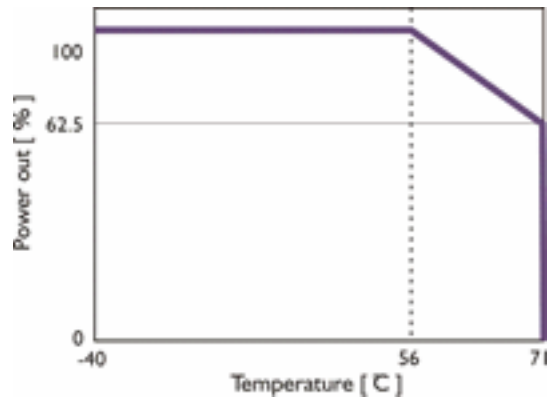
CIRCUIT SCHEMATIC



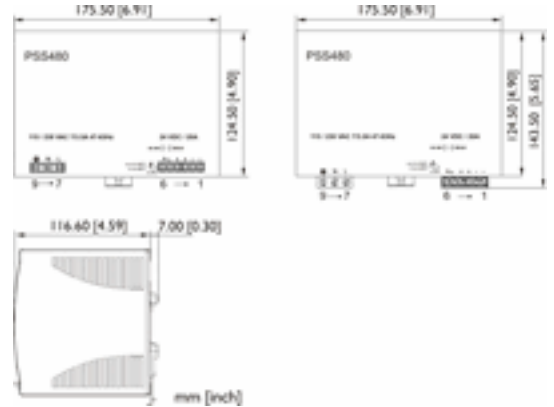
CURRENT LIMITED CURVE



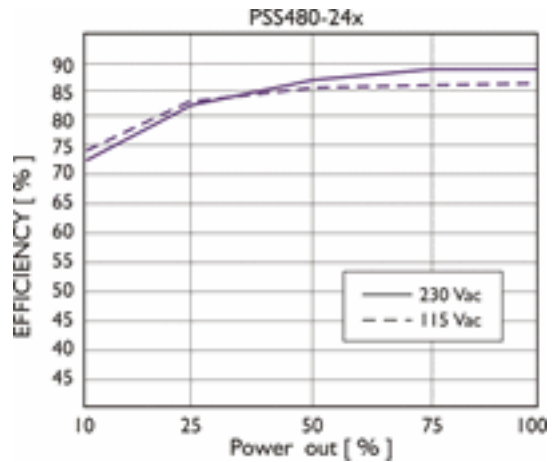
DERATING CURVE



DIMENTIONAL DIAGRAM



EFFICIENCY CURVE



CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends

INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches 8m/m stripping at cable end recommends.

PSS30/48/0.63



0.63A,30W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 85 to 264VAC
- Typical efficiency of 86%
- Compact design with a width of only 40.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W40.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	609000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	80-135 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	625 mA
Output Wattage	30 W
Input Voltage Range	85 - 264 VAC
Efficiency (min.)	83%
Efficiency (typ.)	86%
Standard Packing Qty	1
Cat. No.	PSS30/48/0.63

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 40.5 X 114 mm
Packing	0.35 kg ; 40 pcs / 15 kg / 2.16 CUFT
Weight	270 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3, EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 5V w/o Class 2) Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	60 to 66 VDC
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	85 to 264
DC Input Voltage Range	90 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	4.9 W
Rated Input Current -Max. (Vi : 115 VAC)	800 mA
Rated Input Current -Typ. (Vi : 115 VAC)	560 mA
Rated Input Current -Typ. (Vi : 230 VAC)	330 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 μ F
DC ON Indicator Threshold at start up (Green LED)	37 to 43VDC
Efficiency	86%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation	+/- 0.5 %
Minimum Load	0 %
Output Current	625 mA
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	48 to 55 VDC
Power Back Immunity	63 VDC
Rated Continuous Loading	0.625A @48Vdc / 0.54A @55Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	2000 msec

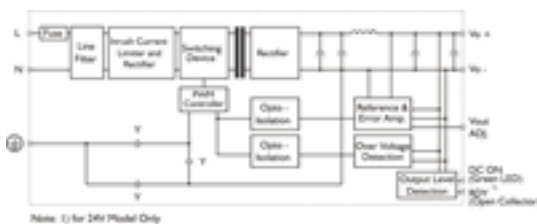
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	DC OK output for relay (not connect except 24V model)
2	OUT	+	Positive output terminal
3	OUT	+	Positive output terminal
4	OUT	-	Negative output terminal
5	OUT	-	Negative output terminal
6	IN	Ground	Ground this terminal to minimize high frequency emissions
7	IN	N	Input terminals (neutral conductor, no polarity at DC input)
8	IN	L	Input terminals (phase conductor, no polarity at DC input)

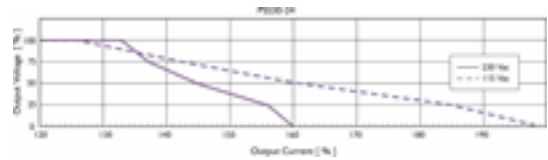
DIMENTIONAL DIAGRAM



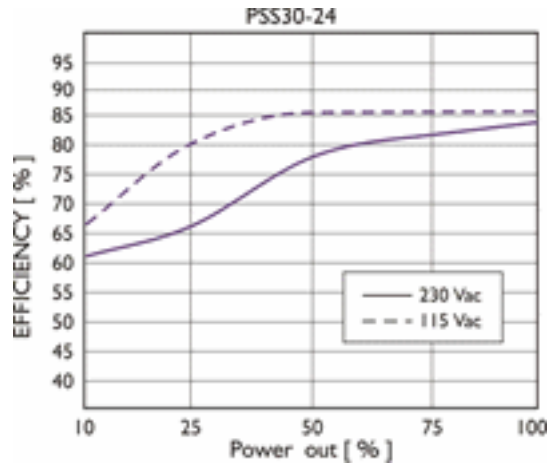
CIRCUIT SCHEMATIC



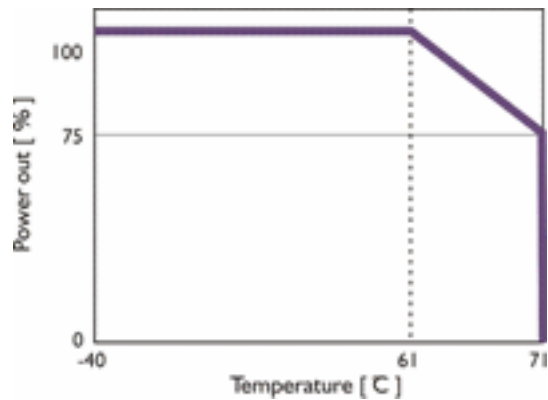
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends. Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: AWG24-14 (0.2-2mm²) flexible / solid cable, 10 m/m stripping at cable end recommends Use copper conductors only, 60 / 75 C

PSS60/48/1.25



1.25A,60W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 85 to 264VAC
- Typical efficiency of 89%
- Compact design with a width of only 40.5mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Spring Terminal Type , L90 X W40.5 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	531000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55-90 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	1250 mA
Output Wattage	60 W
Input Voltage Range	85 - 264 VAC
Efficiency (min.)	86%
Efficiency (typ.)	89%
Standard Packing Qty	1
Cat. No.	PSS60/48/1.25

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 40.5 X 114 mm
Packing	0.41kg ; 40 pcs / 17.5 kg / 2.16 CUFT
Weight	340 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCS0.5/3	Electricians Screwdriver for slotted screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2, Power (only 5V,12V w/o Class 2) Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T2A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	60.0 to 66.0 VDC
Rated over load protection	110 to 150 %

INPUT SPECIFICATIONS

AC Input Voltage Range	85 to 264
DC Input Voltage Range	90 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	20 A
Max. Inrush Current (Vi: 230 VAC)	40 A
Power Dissipation (Vi: 230 VAC, Io norm)	7.8 W
Rated Input Current -Max. (Vi : 115 VAC)	1500 mA
Rated Input Current -Typ. (Vi : 115 VAC)	1060 mA
Rated Input Current -Typ. (Vi : 230 VAC)	590 mA
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
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OUTPUT SPECIFICATIONS....

DC ON Indicator Threshold at start up (Green LED)	37.0 to 43.0 VDC
Efficiency	89%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	20 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation	+/- 0.5 %
Minimum Load	0 %
Output Current	1250 mA
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	48 to 55 VDC
Power Back Immunity	63 VDC
Rated Continuous Loading	1.25A @48Vdc / 1.08A @55Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

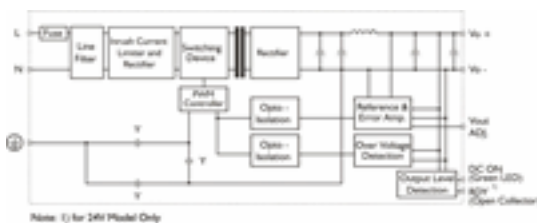
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	DC OK output for relay (not connect except 24V model)
2	OUT	+	Positive output terminal
3	OUT	+	Positive output terminal
4	OUT	-	Negative output terminal
5	OUT	-	Negative output terminal
6	IN	Ground	Ground this terminal to minimize high frequency emissions
7	IN	N	Input terminals (neutral conductor, no polarity at DC input)
8	IN	L	Input terminals (phase conductor, no polarity at DC input)

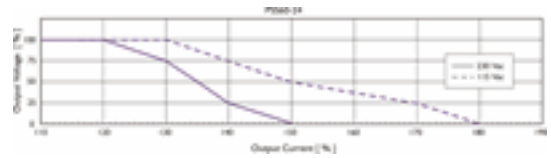
DIMENTIONAL DIAGRAM



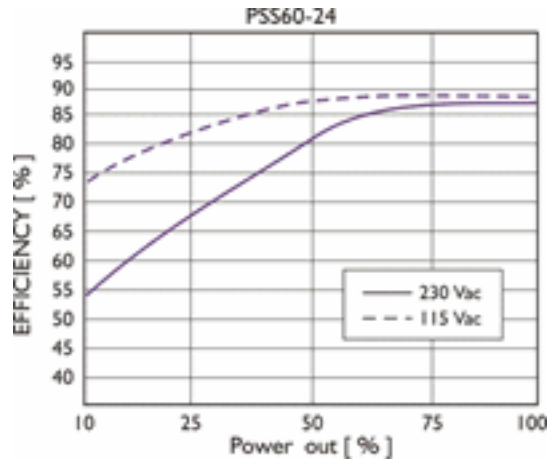
CIRCUIT SCHEMATIC



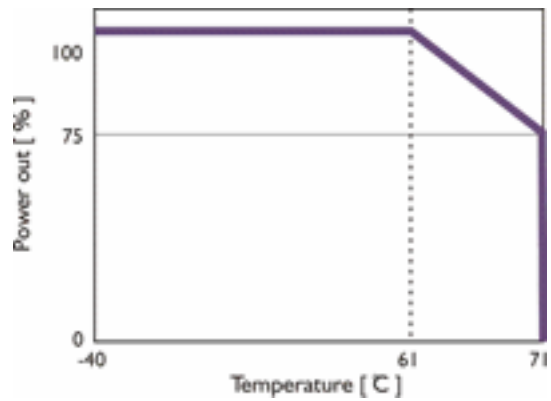
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range spring terminal : AWG24-14 (0.2-2 sq.mm) flexible/solid cable, 10m/m stripping at cable end recommends. Use Cu conductors only, 60/75 deg.C

CONNECTION DETAILS

Spring terminal: AWG24-14 (0.2-2mm²) flexible / solid cable, 10 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PSS100/48/2.1



2.1A,100W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 /264VAC Auto select
- Typical efficiency of 88%
- Compact design with a width of only 54mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-35 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	L90 X W54 X D114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	490000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	2.1 A
Output Wattage	100.8 W
Input Voltage Range	90-264 VAC
Efficiency (min.)	86%
Efficiency (typ.)	88%
Standard Packing Qty	1
Cat. No.	PSS100/48/2.1

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 X 54 X 114 mm
Packing	0.51kg ; 32 pcs / 17.5 kg / 1.85 CUFT
Weight	430 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (only 24V/E w/o Class 2) Recognized
Vibration resistance:	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	60 to 66 VDC
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	120 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
Power Dissipation (Vi: 230 VAC, Io norm)	14 W
Rated Input Current -Typ. (Vi : 115 VAC)	1.65 A
Rated Input Current -Typ. (Vi : 230 VAC)	0.83 A
Rated Input Current -Typ. (Vi : 90 VAC)	2.4 A
Rated Max. Input Voltage	240 VAC
Rated Min. Input Voltage	100 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	37.0 to 43.0 VDC
DC ON Indicator Threshold at start up (Green LED)	37.0 to 43.0 VDC

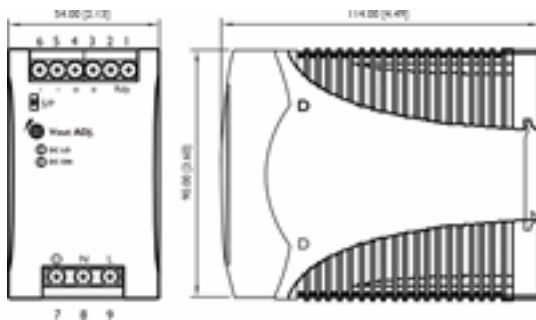
OUTPUT SPECIFICATIONS.....

Efficiency	88%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	15 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	2.1 A
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	47 to 56 VDC
Parallel Operation	3 unit
Power Back Immunity	63 VDC
Rated Continuous Loading	2.1A @48Vdc / 1.8A @56Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 µF	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emissions
8	IN	N	Input terminals (neutral conductor, no polarity at DC input)
9	IN	L	Input terminals (phase conductor, no polarity at DC input)

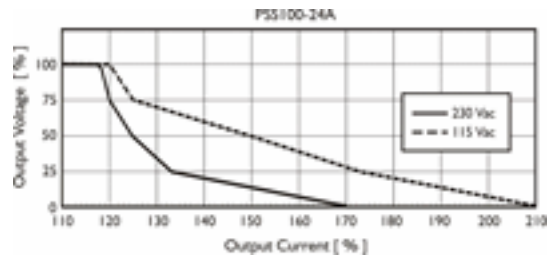
DIMENTISONAL DIAGRAM



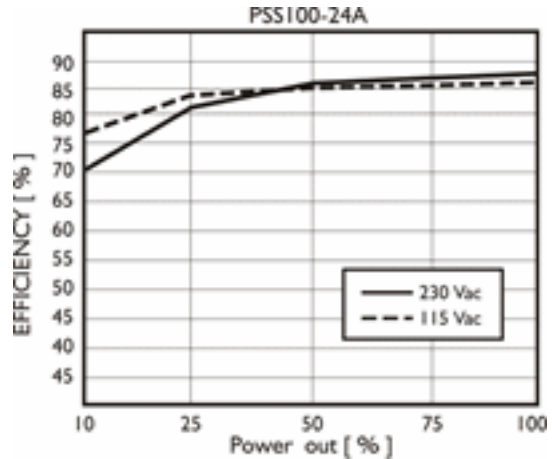
CIRCUIT SCHEMATIC



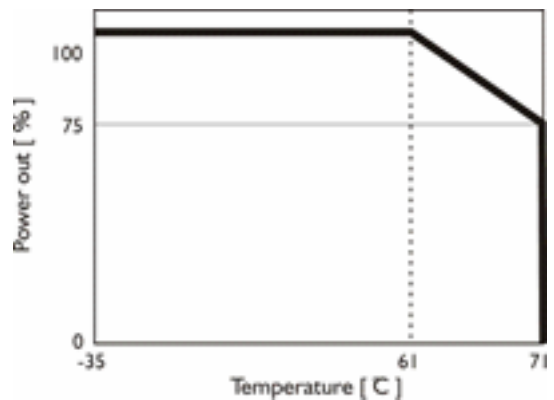
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches

CONNECTION DETAILS

Screw terminal:AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches.

PSS120/48/2.5



2.5A,120W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 115 /230 VAC Auto select
- Typical efficiency of 87%
- Compact design with a width of only 64mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-35 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5%/ °C
Dimension	Screw terminal type L124.5 X W64 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	482000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	55 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	2.5 A
Output Wattage	120 W
Input Voltage Range	90-264 VAC
Efficiency (min.)	85%
Efficiency (typ.)	87%
Standard Packing Qty	1
Cat. No.	PSS120/48/2.5

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 64 X 123.6 mm
Packing	1.02kg ; 20 pcs / 21.5 kg / 2.01 CUFT
Weight	920 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (24V/E Models only) Recognized ISA 12.12.01 (Class I, Division 2, Groups A,B,C, and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	125 to 140 %
Rated over load protection	110 to 145 %

INPUT SPECIFICATIONS

DC Input Voltage Range	210 to 375
Input Phase	Single
Input Voltage Range (115VAC Selected)	90 to 132 VAC
Input Voltage Range (230VAC Selected)	180 to 264 VAC
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	24 A
Max. Inrush Current (Vi: 230 VAC)	48 A
P.F.C. (Passive)	0.7 typ.
Power Dissipation (Vi: 230 VAC, Io norm)	19 W
Rated Input Current -Max. (Vi : 115 VAC)	2.8 A
Rated Input Current -Max. (Vi : 230 VAC)	1.4 A
Rated Input Current -Typ. (Vi : 115 VAC)	2.2 A
Rated Input Current -Typ. (Vi : 230 VAC)	0.83 A
Rated Input Voltage	115 /230 VAC (auto select)

OUTPUT SPECIFICATIONS

Capacitor Load	3500 μ F
DC LOW Indicator Threshold after start up (Red LED)	37.0 to 43.0 VDC
DC ON Indicator Threshold at start up (Green LED)	37.0 to 43.0 VDC
Efficiency	87%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	2.5 A
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	45 to 55 VDC
Parallel Operation	3 unit
Power Back Immunity	63 VDC
Rated Continuous Loading	2.5A @48Vdc / 2.1A @55Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emissions
8	IN	L	Input terminals (phase conductor, no polarity at DC input)
9	IN	N	Input terminals (neutral conductor, no polarity at DC input)

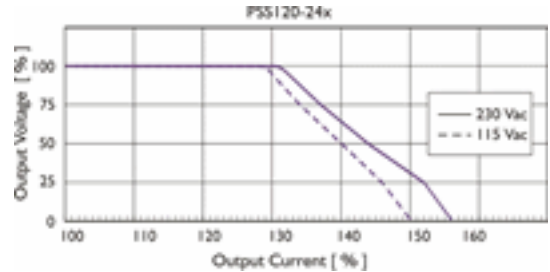
DIMENTISONAL DIAGRAM



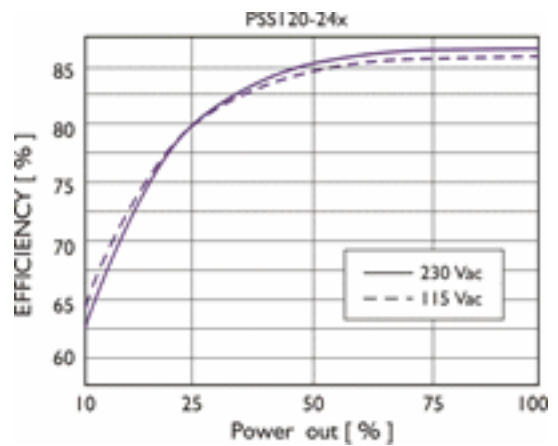
CIRCUIT SCHEMATIC



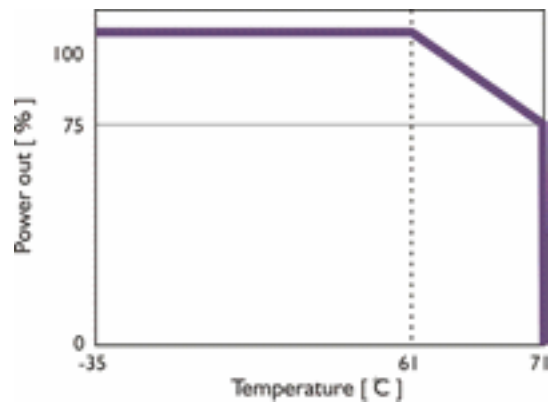
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended. Connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches. 8m/m stripping at cable end recommends. Use copper conductors only, 60/75°C

CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends

PSS240/48/5



5A,240W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 to 264 VAC Auto select
- Typical efficiency of 90%
- Compact design with a width of only 83.5mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% / °C
Dimension	Screw terminal type L124.5 X W83.5 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	437000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	40 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	5 A
Output Wattage	240 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	88%
Efficiency (typ.)	90%
Standard Packing Qty	1
Cat. No.	PSS240/48/5

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 83.5 X 123.6 mm
Packing	1.5kg ; 16 pcs / 25 kg / 2.01 CUFT
Weight	1380g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH2I	Insulated Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (24V/E Models only) Recognized ISA 12.12.01 (Class I,Division 2,Groups A,B,C,and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T6.3A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	125 to 140 %
Rated over load protection	120 to 145 %

INPUT SPECIFICATIONS

DC Input Voltage Range	210 to 375
Input Phase	Single
Input Voltage Range (115VAC Selected)	90 to 132 VAC
Input Voltage Range (230VAC Selected)	180 to 264 VAC
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	30 A
Max. Inrush Current (Vi: 230 VAC)	60 A
P.F.C. (Passive)	0.7 typ.
Power Dissipation (Vi: 230 VAC, Io norm)	32 W
Rated Input Current -Max. (Vi : 115 VAC)	5.4 A
Rated Input Current -Max. (Vi : 230 VAC)	2.2 A
Rated Input Current -Typ. (Vi : 115 VAC)	4.0 A
Rated Input Current -Typ. (Vi : 230 VAC)	1.55 A
Rated Input Voltage	115 / 230 VAC (auto select)

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	37.0 to 43.0 VDC

OUTPUT SPECIFICATIONS....

DC ON Indicator Threshold at start up (Green LED)	37.0 to 43.0 VDC
Efficiency	90%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	5 A
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	47 to 56 VDC
Parallel Operation	3 unit
Power Back Immunity	63 VDC
Rated Continuous Loading	5A @48Vdc / 4.2A @56Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emissions
8	IN	L	Input terminals(phase conductor, no polarity at DC input)
9	IN	N	Input terminals (neutral conductor, no polarity at DC input)

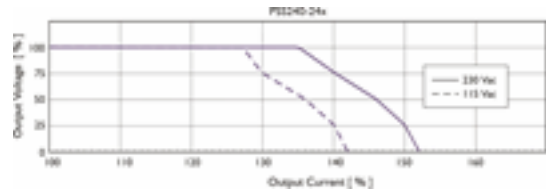
DIMENTISONAL DIAGRAM



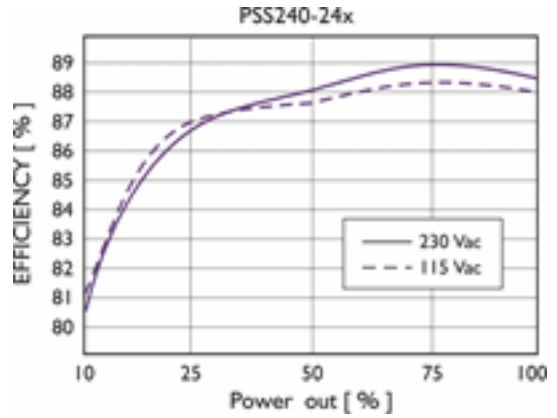
CIRCUIT SCHEMATIC



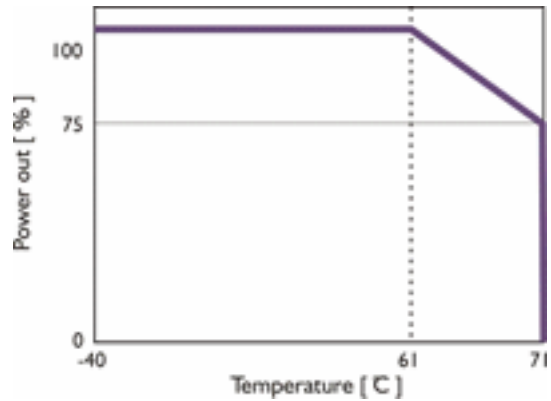
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches 8m/m stripping at cable end recommends.

CONNECTION DETAILS

Screw terminal: 2 AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends

PSS300/48/6.25



6.25A,300W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 -264 VAC Auto select
- Typical efficiency of 90%
- Compact design with a width of only 83.5mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-30 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	Screw terminal type L124.5 X W83.5 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	431000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	40 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	6.25 A
Output Wattage	300 W
Input Voltage Range	90-264 VAC
Efficiency (min.)	88%
Efficiency (typ.)	90%
Standard Packing Qty	1
Cat. No.	PSS300/48/6.25

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 175.5 X 123.6 mm
Packing	1.53kg ; 16 pcs / 25.5 kg / 2.01 CUFT
Weight	1400 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3, EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme , EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, UL 1310 Class 2 Power (24V/E Models only) Recognized ISA 12.12.01 (Class I, Division 2, Groups A, B, C, and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T8A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	125 to 140 %
Rated over load protection	120 to 145 %

INPUT SPECIFICATIONS

DC Input Voltage Range	210 to 375
Input Phase	Single
Input Voltage Range (115VAC Selected)	90 to 132 VAC
Input Voltage Range (230VAC Selected)	180 to 264 VAC
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	35 A
Max. Inrush Current (Vi: 230 VAC)	65 A
P.F.C. (Passive)	0.7 typ.
Power Dissipation (Vi: 230 VAC, Io norm)	40 W
Rated Input Current -Max. (Vi : 115 VAC)	6.0 A
Rated Input Current -Max. (Vi : 230 VAC)	3.0 A
Rated Input Current -Typ. (Vi : 115 VAC)	4.8 A
Rated Input Current -Typ. (Vi : 230 VAC)	1.9 A
Rated Input Voltage	115 /230 VAC (auto select)

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	37.0 to 43.0 VDC

OUTPUT SPECIFICATIONS....

DC ON Indicator Threshold at start up (Green LED)	37.0 to 43.0 VDC
Efficiency	90%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	6.25 A
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	47 to 56 VDC
Parallel Operation	3 unit
Power Back Immunity	63 VDC
Rated Continuous Loading	6.25A @48Vdc / 5.35A @56Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

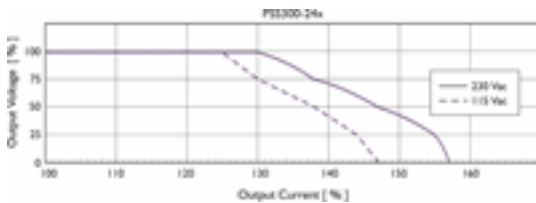
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch (Except 24V/E models)
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relaycontact for DC ON level control
2	OUT		(never connect except 24V/E model)
3,4	OUT	V+	Positive output terminal
5,6	OUT	V-	Negative output terminal
7	IN	Ground	Ground this terminal to minimize high frequency emissions
8	IN	L	Input terminals (phase conductor, no polarity at DC input)
9	IN	N	Input terminals (neutral conductor, no polarity at DC input)

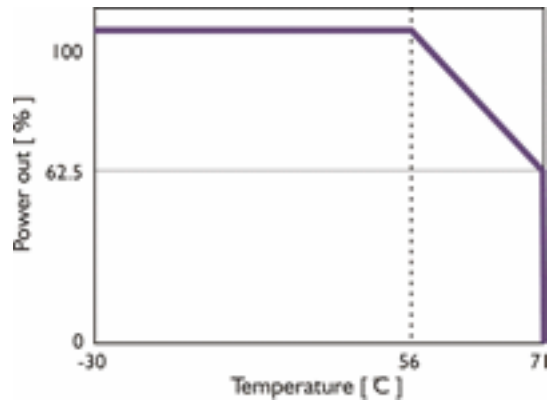
CIRCUIT SCHEMATIC



CURRENT LIMITED CURVE



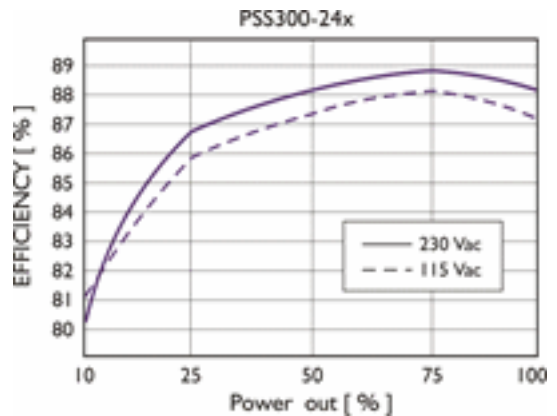
DERATING CURVE



DIMENTIONAL DIAGRAM



EFFICIENCY CURVE



INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches 8m/m stripping at cable end recommends.

CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends

PSS480/48/10



10A,480W Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 90 to 264 VAC Auto select
- Typical efficiency of 90%
- Compact design with a width of only 175.50mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Cooling	Free Air Convection
Derating from +56°C to +71°C (see derating curve)	2.5% / °C
Dimension	Screw terminal type L124.5 X W175.5 X D123.6 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	416000 hr
Pollution Degree	2
Relative Humidity Range	20 to 95 %RH
Switching Frequency (typ.)	40 KHz
Temperature Coefficient Range	+/- 0.03 % per deg. C

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	10 A
Output Wattage	480 W
Input Voltage Range	90 - 264 VAC
Efficiency (min.)	87%
Efficiency (typ.)	90%
Standard Packing Qty	1
Cat. No.	PSS480/48/10

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124.5 X 175.5 X 123.6 mm
Packing	2.3kg ; 8 pcs / 20kg / 2.35 CUFT
Weight	1920 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CCC	GB4943, GB9254, GB17625.1
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme, EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01 (Class I, Division 2, Groups A, B, C, and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T10A / 250VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Fold Forward
Over voltage protection	125 to 140 %
Rated over load protection	110 to 140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	90 to 264
DC Input Voltage Range	180 to 375
Input Phase	Single
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current (Vi: 115 VAC)	25 A
Max. Inrush Current (Vi: 230 VAC)	50 A
P.F.C. (Passive)	0.99/0.97 typ.
Power Dissipation (Vi: 230 VAC, Io norm)	60 W
Rated Input Current -Max. (Vi : 115 VAC)	7 A
Rated Input Current -Max. (Vi : 230 VAC)	3.5 A
Rated Input Current -Typ. (Vi : 115 VAC)	4.9 A
Rated Input Current -Typ. (Vi : 230 VAC)	2.5 A
Rated Input Voltage	115 /230 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	37.0 to 43.0 VDC
DC ON Indicator Threshold at start up (Green LED)	37.0 to 43.0 VDC
Efficiency	90%
Fall Time	150 msec
Hold Up Time (Vi: 115VAC)	25 msec
Hold Up Time (Vi: 230VAC)	30 msec
Line Regulation	+/- 0.5 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %

OUTPUT SPECIFICATIONS....

Output Current	10 A
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	0 to +1 %
Output Voltage Trim Range	47 to 56 VDC
Parallel Operation	3 unit
Power Back Immunity	63 VDC
Rated Continuous Loading	10A @48Vdc / 8.5A @56Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

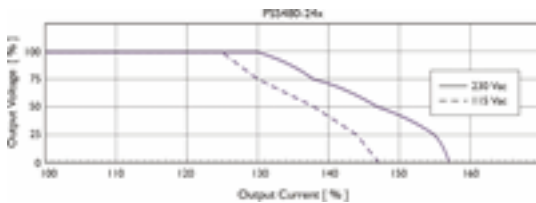
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch (Except 24V/E models)
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1,2	OUT	V-	Negative output terminal
3,4	OUT	V+	Positive output terminal
5	OUT	RDY	A normal open relaycontact for DC ON level control
6	OUT		(never connect except 24V model)
7	IN	L	Input terminals (phase conductor, no polarity at DC input)
8	IN	N	Input terminals (neutral conductor, no polarity at DC input)
9	IN	Ground	Ground this terminal to minimize high frequency emissions

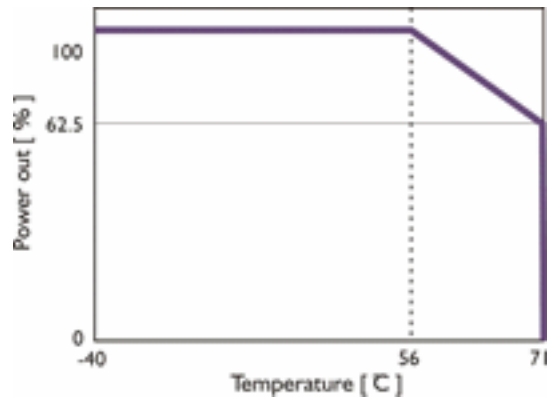
CIRCUIT SCHEMATIC



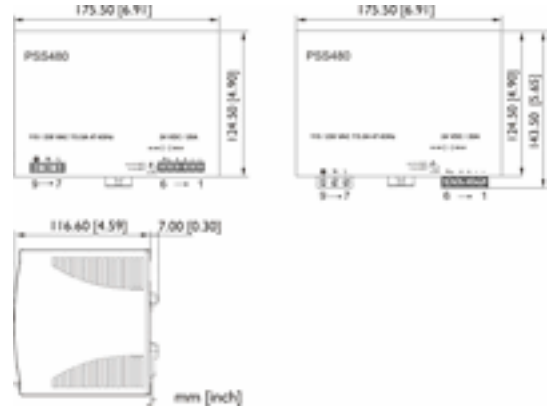
CURRENT LIMITED CURVE



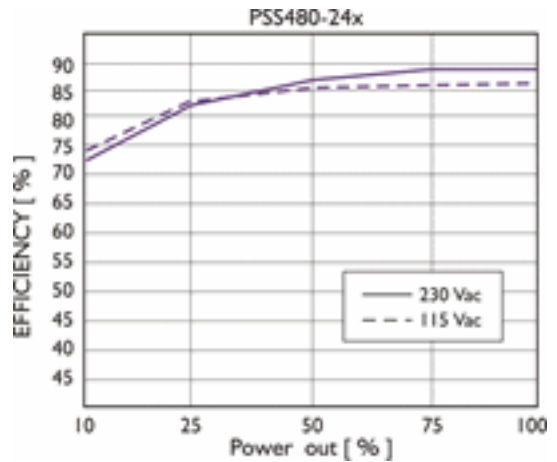
DERATING CURVE



DIMENTIONAL DIAGRAM



EFFICIENCY CURVE



INSTALLATION DETAILS

Cooling Normal convection. All sides 25mm free space. For cooling recommended connector size range screw terminal : AWG24-10 (0.2-4 sq.mm) flexible/solid cable-Input connector can withstand torque at max.9 pound-inches -Output connector can withstand torque at max.5.5 pound inches 8m/m stripping at cable end recommends.

CONNECTION DETAILS

Screw terminal: AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends

PST120/12/10



10A ,3 Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 89%
- Compact design with a width of only 74.3 mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L124 x W74.3 x D118.8
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	527000 hr
Pollution Degree	2
Relative Humidity Range	20-95 % RH
Switching Frequency (typ.)	70 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	10 A
Output Wattage	120 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	85%
Efficiency (typ.)	87%
Standard Packing Qty	1
Cat. No.	PST120/12/10

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124 x 74.3 x 118.8 mm
Packing	800 g
Weight	0.92 kg ; 20 pcs / 19.5 kg / 2.02 CUFT

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
CQC	GB4943, GB9254, GB17625.1
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	2 A / 600 VAC internal / phase
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	14.5 - 17.4 VDC
Rated over load protection	115 - 135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	3 Phase
Inrush Current	10 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Nominal Input Voltage	1Ø or 3Ø 380-480 VAC
P.F.C. (Passive)	0.55
Power Dissipation (Vi: 400 VAC, Io norm)	20 W
Rated Input Current -Max. (Vi : 400 VAC)	0.5 A
Rated Input Current -Max. (Vi : 400 VAC)	0.36 A
Rated Input Current -Typ. (Vi : 500 VAC)	0.3 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	10-11.2 VDC

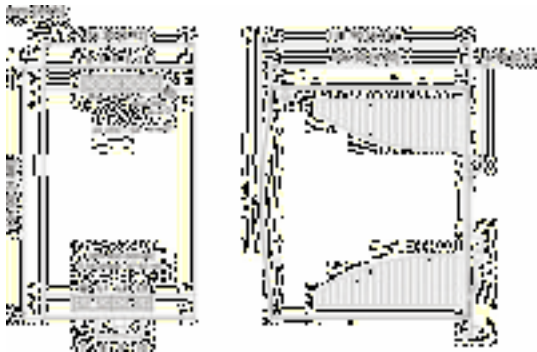
OUTPUT SPECIFICATIONS....

DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	10-11.2 VDC
Efficiency	89 %
Fall Time	150 msec
Hold Up Time	20 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	10 A
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	11.4 - 14.5 VDC
Power Back Immunity	18 VDC
Rated Continuous Loading	10 A @ 12Vdc / 8.2 A @ 14.5 Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

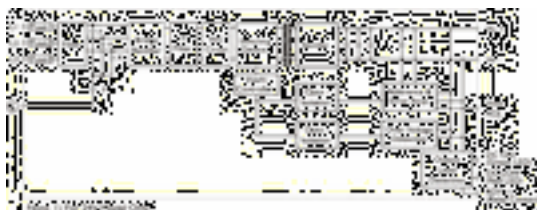
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	Trimmer-potentiometer for Vout adjustment
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V -	Negative output terminal
10	IN	L3	Input terminals
2	OUT	V -	Negative output terminal
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)
6	OUT	RDY	(Never connect except 24V model)
7	IN	Earth	Ground this terminal to minimize high-frequency emissions
8	IN	L1	Input terminals
9	IN	L2	Input terminals

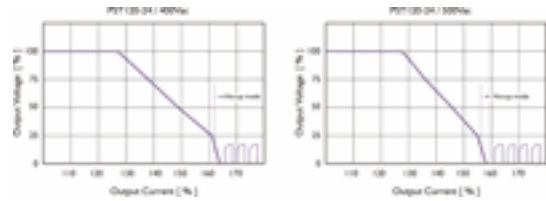
DIMENTISONAL DIAGRAM



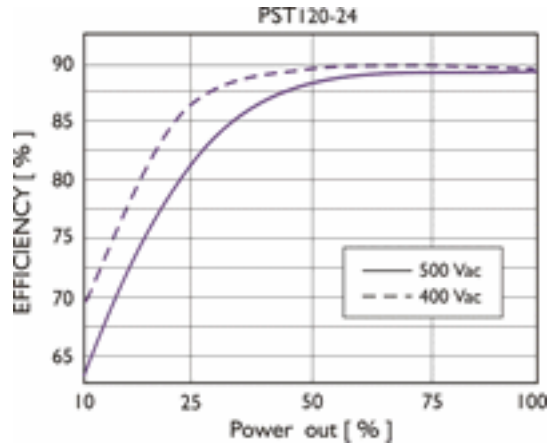
CIRCUIT SCHEMATIC



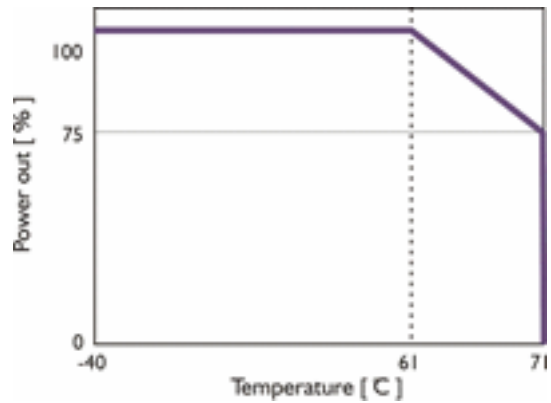
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

AWG24-10 (0.2-4mm²) flexible / solid cable,- Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches.8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PST120/24/5



5A ,3 Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 89%
- Compact design with a width of only 74.3 mm
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L124 x W74.3 x D118.8
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	559000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	70 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	5 A
Output Wattage	120 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	87%
Efficiency (typ.)	89 %
Standard Packing Qty	1
Cat. No.	PST120/24/5

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124 x 74.3 x 118.8 mm
Packing	800 g
Weight	0.92 kg ; 20 pcs / 19.5 kg / 2.02 CUFT

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
CQC	GB4943, GB9254, GB17625.1
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	2 A / 600 VAC internal / phase
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	30 - 33 VDC
Power Ready	17.6 - 19.4 VDC
Rated over load protection	115 - 135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	3 Phase
Inrush Current	10 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Nominal Input Voltage	1Ø or 3Ø 380~480 VAC
P.F.C. (Passive)	0.55
Power Dissipation (Vi: 400 VAC, Io norm)	16 W
Rated Input Current -Max. (Vi : 400 VAC)	0.5 A
Rated Input Current -Max. (Vi : 400 VAC)	0.36 A
Rated Input Current -Typ. (Vi : 500 VAC)	0.3 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

DC LOW Indicator Threshold after start up (Red LED)	17.6-19.4 VDC
DC On Indicator	

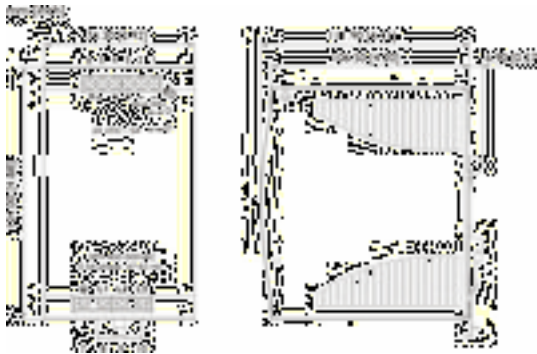
OUTPUT SPECIFICATIONS....

	Green
DC ON Indicator Threshold at start up (Green LED)	17.6-19.4 VDC
Efficiency	89 %
Hold Up Time	20 msec
Line Regulation	+/- 1 %
Load Regulation	+/- 1 %
Minimum Load	0 %
Output Current	5 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	22.5 - 28.5 VDC
Power Back Immunity	35 VDC
Rated Continuous Loading	5 A @ 24Vdc / 4.2 A @ 28.5 Vdc
	100 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

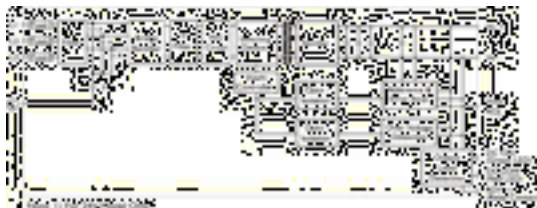
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	Trimmer-potentiometer for Vout adjustment
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V -	Negative output terminal
10	IN	L3	Input terminals
2	OUT	V -	Negative output terminal
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)
6	OUT	RDY	(Never connect except 24V model)
7	IN	Earth	Ground this terminal to minimize high-frequency emissions
8	IN	L1	Input terminals
9	IN	L2	Input terminals

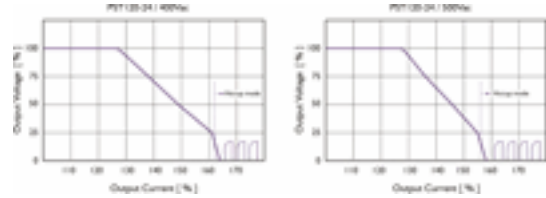
DIMENTSIONAL DIAGRAM



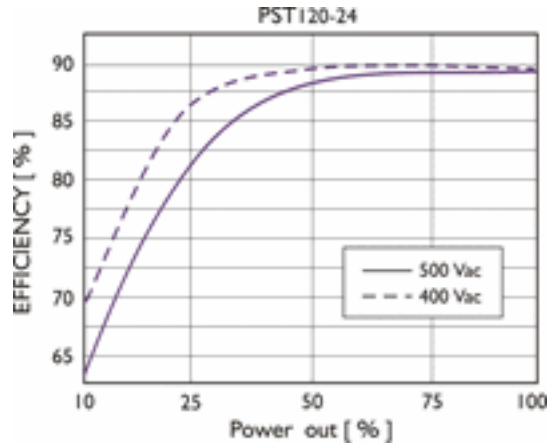
CIRCUIT SCHEMATIC



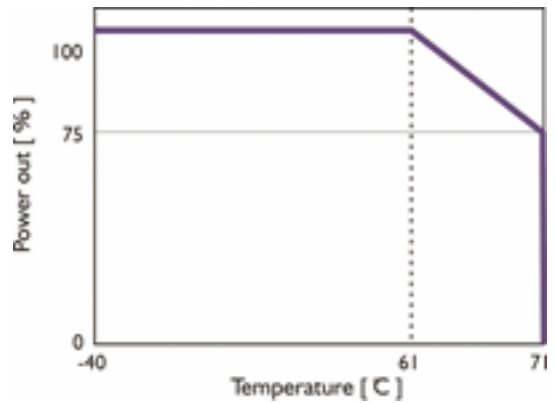
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

AWG24-10 (0.2-4mm²) flexible / solid cable,- Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches.8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

PST240/24/10



10A ,3 Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 90%
- Compact design with a width of only 89 mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L124 x W89 x D118.8
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	488000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	25 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	10 A
Output Wattage	240 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	88%
Efficiency (typ.)	90%
Standard Packing Qty	1
Cat. No.	PST240/24/10

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124 x 89 x 118.8 mm
Packing	1.18 kg ; 16 pcs / 20 kg / 2.01 CUFT
Weight	1100 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
CQC	GB4943, GB9254, GB17625.1
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	2 A / 600 VAC internal / phase
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	30 - 33 VDC
Power Ready	17.6 - 19.4 VDC
Rated over load protection	120 -140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	3 Phase
Inrush Current	20 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current	25 A
Nominal Input Voltage	1Ø or 3Ø 380-480 VAC
P.F.C. (Passive)	0.55
Power Dissipation (Vi: 400 VAC, lo norm)	30 W
Rated Input Current -Max. (Vi : 400 VAC)	0.85 A
Rated Input Current -Max. (Vi : 400 VAC)	0.65 A
Rated Input Current -Typ. (Vi : 500 VAC)	0.55 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
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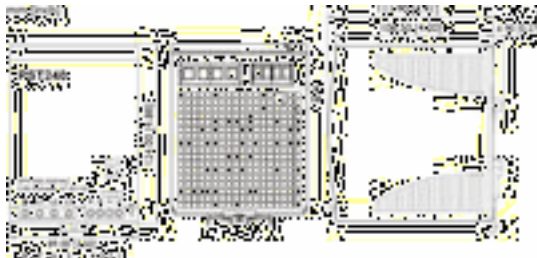
OUTPUT SPECIFICATIONS....

DC LOW Indicator Threshold after start up (Red LED)	17.6-19.4 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	17.6-19.4 VDC
Efficiency	90 %
Fall Time	150 msec
Hold Up Time	20 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	10 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	22.5 - 28.5 VDC
Parallel Operation	2 Units
Power Back Immunity	35 VDC
Rated Continuous Loading	10 A @ 24Vdc / 8.4 A @ 28.5 Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	Trimmer-potentiometer for Vout adjustment
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch (Except 24V/E models)
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V -	Negative output terminal
10	OUT		(Never connect except 24V model)
2	OUT	V -	Negative output terminal
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	IN	L3	Input terminals
6	IN	L2	Input terminals
7	IN	L1	Input terminals
8	IN	Earth	Ground this terminal to minimize high-frequency emissions
9	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)

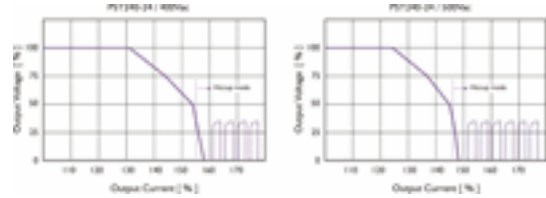
DIMENTENSIONAL DIAGRAM



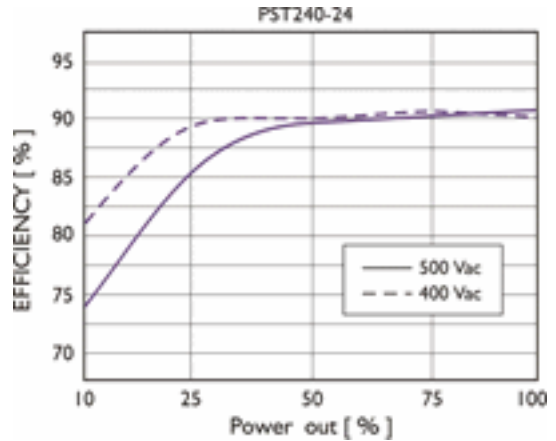
CIRCUIT SCHEMATIC



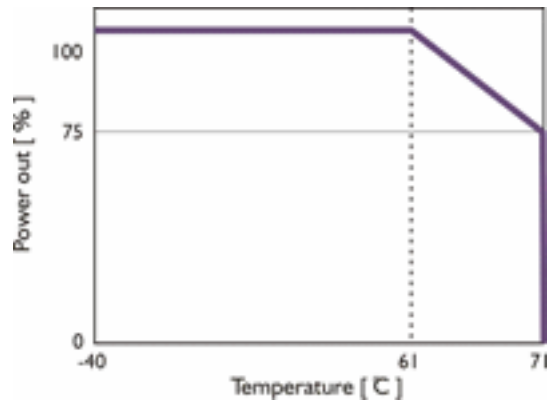
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

AWG24-10 (0.2-4mm²) flexible / solid cable,- Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches.8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

PST240/48/5



5A ,3 Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 91%
- Compact design with a width of only 89 mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L124 x W89 x D118.8
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	519000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	25 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	5 A
Output Wattage	240 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	89%
Efficiency (typ.)	91 %
Standard Packing Qty	1
Cat. No.	PST240/48/5

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124 x 89 x 118.8 mm
Packing	1.18 kg ; 16 pcs / 20 kg / 2.01 CUFT
Weight	1100 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
CQC	GB4943, GB9254, GB17625.1
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	2 A / 600 VAC internal / phase
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	60 -68 VDC
Rated over load protection	120 -140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	3 Phase
Inrush Current	20 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current	25 A
Nominal Input Voltage	1Ø or 3Ø 380-480 VAC
P.F.C. (Passive)	0.55
Power Dissipation (Vi: 400 VAC, Io norm)	24 W
Rated Input Current -Max. (Vi : 400 VAC)	0.85 A
Rated Input Current -Max. (Vi : 400 VAC)	0.65 A
Rated Input Current -Typ. (Vi : 500 VAC)	0.65 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up	37-43 VDC

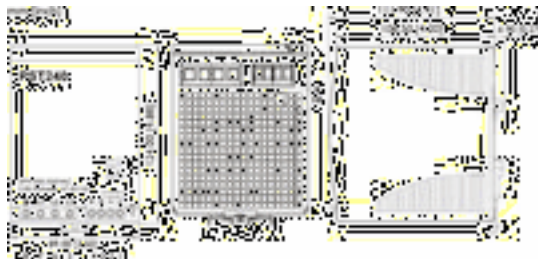
OUTPUT SPECIFICATIONS....

(Red LED)	
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	37-43VDC
Efficiency	91 %
Fall Time	150 msec
Hold Up Time	20 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	5 A
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	47 - 56 VDC
Parallel Operation	2 Units
Power Back Immunity	63 VDC
Rated Continuous Loading	5 A @ 48Vdc / 4.2 A @ 56Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 µF	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V -	Negative output terminal
10	OUT	RDY	(never connect except 24V model)
2	OUT	V -	Negative output terminal
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	IN	L3	Input terminals
6	IN	L2	Input terminals
7	IN	L1	Input terminals
8	IN	GND	Ground this terminal to minimize high frequency emissions
9	OUT	RDY	A normal open relaycontact for DC ON level control

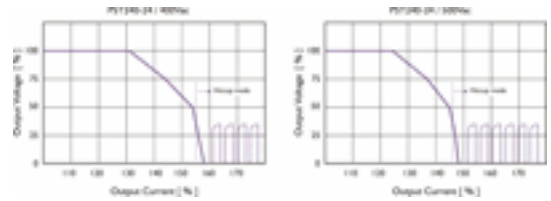
DIMENTISONAL DIAGRAM



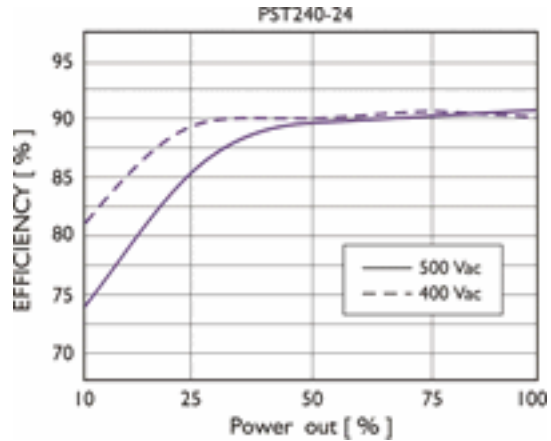
CIRCUIT SCHEMATIC



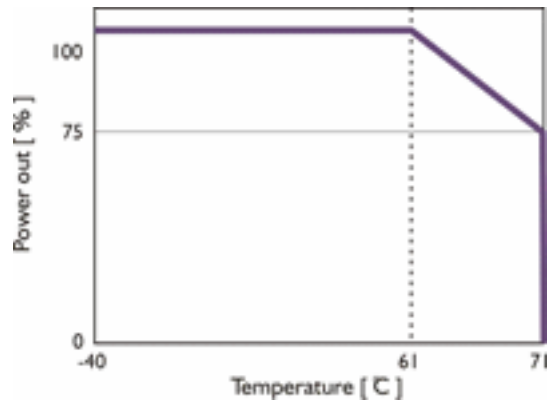
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PST480/24/20



20A ,3 Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 90%
- Compact design with a width of only 150 mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-30 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L124 x W150 x D118.8
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	411000 hr
Pollution Degree	2
Relative Humidity Range	20-95 % RH
Switching Frequency (typ.)	80 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	20 A
Output Wattage	480 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	88%
Efficiency (typ.)	90%
Standard Packing Qty	1
Cat. No.	PST480/24/20

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124 x 150 x 118.8 mm
Packing	2kg ; 8 pcs / 17.5kg / 2.17CUFT
Weight	1720g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
CQC	GB4943, GB9254, GB17625.1
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme EN 61558-1, EN 61558-2-17 (meet EN 60204-1)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15 A / 500 VAC internal / phase
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Continuous: Fold forward/Discontinuous: Delay 3S shut-down. After 30S Auto-restart
Over voltage protection	30 - 33 VDC
Power Ready	17.6 - 19.4 VDC
Rated over load protection	110-135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	3 Phase
Inrush Current	20 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current	25 A
Nominal Input Voltage	1Ø or 3Ø 380~480 VAC
P.F.C. (Passive)	0.65
Power Dissipation (Vi: 400 VAC, Io norm)	58 W
Rated Input Current -Max. (Vi : 400 VAC)	1.4 A
Rated Input Current -Max. (Vi : 400 VAC)	1.1 A
Rated Input Current -Typ. (Vi : 500 VAC)	0.93 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	17.6-19.4 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	17.6-19.4 VDC
Efficiency	91%
Fall Time	150 msec
Hold Up Time	20 msec
Line Regulation	+/- 1 %

OUTPUT SPECIFICATIONS....

Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	20 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	22.5 - 28.5 VDC
Parallel Operation	2 Units
Power Back Immunity	35 VDC
Rated Continuous Loading	20 A @ 24Vdc / 16.8 A @ 28.5Vdc
	100 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

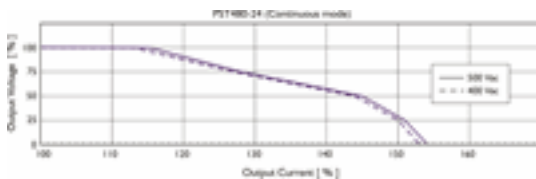
ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	C / D	Continuous / Discontinuous
	OTHER	DC LO	Trimmer-potentiometer for Vout adjustment
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch (Except 24V/E models)
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V -	Negative output terminal
10	OUT		(Never connect except 24V model)
2	OUT	V -	Negative output terminal
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	IN	L3	Input terminals
6	IN	L2	Input terminals
7	IN	L1	Input terminals
8	IN	Earth	Ground this terminal to minimize high-frequency emissions
9	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)

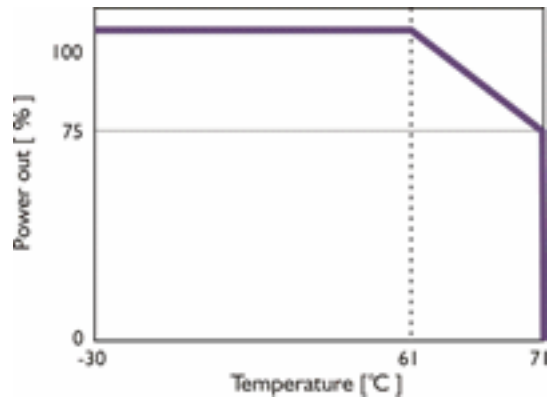
CIRCUIT SCHEMATIC



CURRENT LIMITED CURVE



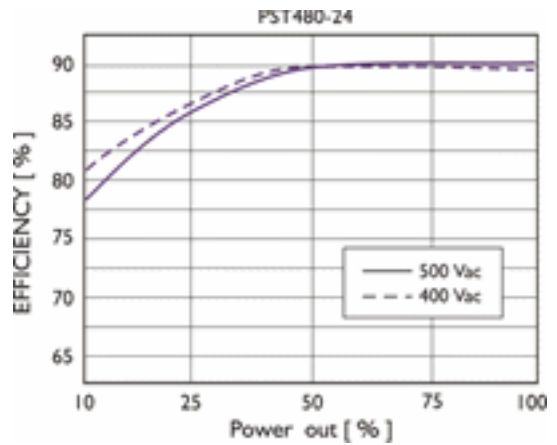
DERATING CURVE



DIMENTIONAL DIAGRAM



EFFICIENCY CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended Connector size range

CONNECTION DETAILS

Spring terminal: 2 AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PST480/48/10



10A ,3 Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 90%
- Compact design with a width of only 150 mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-30 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L124 x W150 x D118.8
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	423000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	80 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	10 A
Output Wattage	480 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	89%
Efficiency (typ.)	91 %
Standard Packing Qty	1
Cat. No.	PST480/48/10

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	124 x 150 x 118.8 mm
Packing	2kg ; 8 pcs / 17.5kg / 2.17CUFT
Weight	1720g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2,EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
CQC	GB4943, GB9254, GB17625.1
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme EN 61558-1, EN 61558-2-17 (meet EN 60204-1)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T3.15 A / 500 VAC internal / phase
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Continuous:Fold forward/Discontinuous:Delay 3S shut-down. After 30S Auto-restart
Over voltage protection	60 - 68 VDC
Rated over load protection	110-135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	3 Phase
Inrush Current	20 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current	25 A
Nominal Input Voltage	1Ø or 3Ø 380~480 VAC
P.F.C. (Passive)	0.65
Power Dissipation (Vi: 400 VAC, Io norm)	55 W
Rated Input Current -Max. (Vi : 400 VAC)	1.4 A
Rated Input Current -Max. (Vi : 400 VAC)	1.1 A
Rated Input Current -Typ. (Vi : 500 VAC)	0.93 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

DC LOW Indicator Threshold after start up (Red LED)	37-43 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	37-43 VDC
Efficiency	91 %
Fall Time	150 msec
Hold Up Time	20 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %

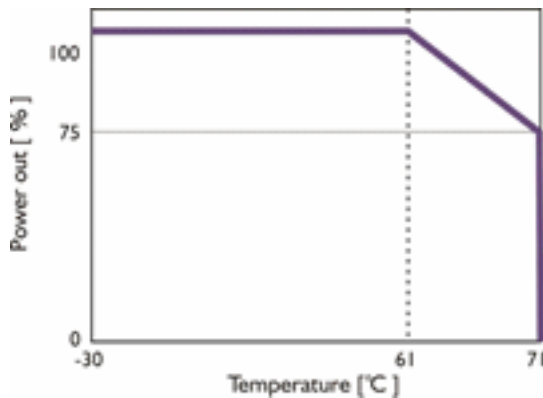
OUTPUT SPECIFICATIONS....

Minimum Load	0 %
Output Current	10 A
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	47 - 56 VDC
Parallel Operation	2 Units
Power Back Immunity	63 VDC
Rated Continuous Loading	10 A @ 48Vdc / 8.5 A @ 56Vdc
	100 mV
Rise Time	150 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	C / D	Continuous / Discontinuous
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V -	Negative output terminal
10	OUT	RDY	(Never connect except 24V model)
2	OUT	V -	Negative output terminal
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	IN	L3	Input terminals
6	IN	L2	Input terminals
7	IN	L1	Input terminals
8	IN	Earth	Ground this terminal to minimize high-frequency emissions
9	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)

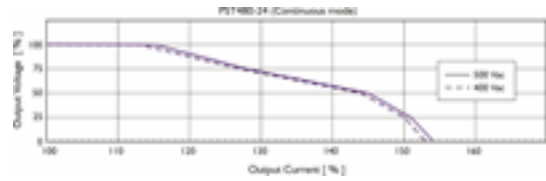
DIMENTISONAL DIAGRAM



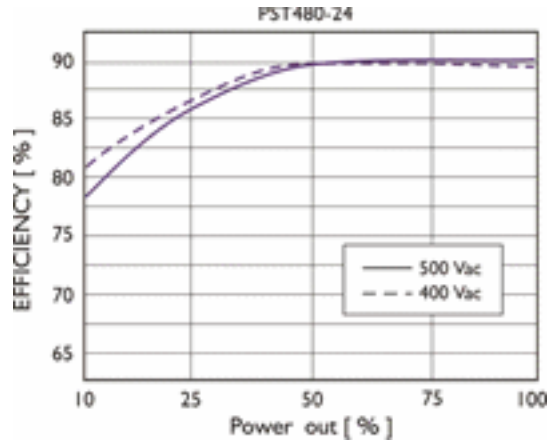
CIRCUIT SCHEMATIC



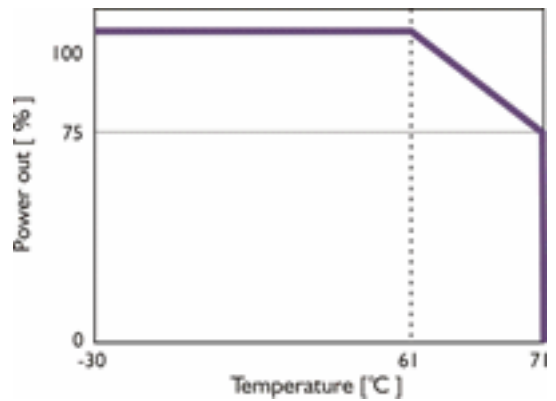
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended Connector size range

CONNECTION DETAILS

Spring terminal: 2 AWG24-10 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C

PST960/24/40



40A ,3 Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 93%
- Compact design with a width of only 275.8 mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L126.2 XW275.8 X D118.8 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	352000 hr
Pollution Degree	2
Relative Humidity Range	20-95 % RH
Switching Frequency (typ.)	52 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	40 A
Output Wattage	960 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	90 %
Efficiency (typ.)	92 %
Standard Packing Qty	1
Cat. No.	PST960/24/40

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	126.2 x 275.8 x 118.8 mm
Packing	3.68 kg ; 6 pcs / 23 kg / 2.41 CUFT
Weight	3400 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
CQC	GB4943, GB9254, GB17625.1
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme EN 61558-1, EN 61558-2-17 (meet EN 60204-1)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T5 A / 500 VAC internal / phase
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	30 - 33 VDC
Power Ready	17.6 - 19.4 VDC
Rated over load protection	120-140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	3 Phase
Inrush Current	30 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current	35 A
Nominal Input Voltage	1Ø or 3Ø 380-480 VAC
P.F.C. (Passive)	0.8
Power Dissipation	98 W
Rated Input Current -Max. (Vi : 400 VAC)	2.4 A
Rated Input Current -Max. (Vi : 400 VAC)	1.72 A
Rated Input Current -Typ. (Vi : 500 VAC)	1.5 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	17.6-19.4 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	17.6-19.4 VDC
Efficiency	93 %
Fall Time	150 msec
Hold Up Time	15 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %

OUTPUT SPECIFICATIONS....

Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	40 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	22.5 - 28.5 VDC
Parallel Operation	2 Units
Power Back Immunity	35 VDC
Rated Continuous Loading	40 A @ 24Vdc / 33.5 A @ 28.5Vdc
	80 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V -	Negative output terminal
10	IN	L2	Input terminals
11	IN	L1	Input terminals
12	IN	Earth	Ground this terminal to minimize high-frequency emissions
2	OUT	V -	Negative output terminal
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	OUT	G	Parallel GND PIN for current share
6	OUT	p	Parallel PIN for current share
7	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)
8	OUT	RDY	(Never connect except 24V model)
9	IN	L3	Input terminals

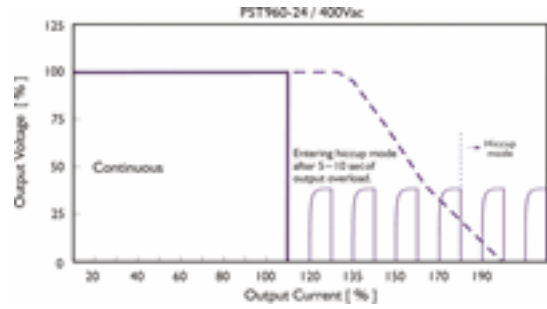
DIMENTIONAL DIAGRAM



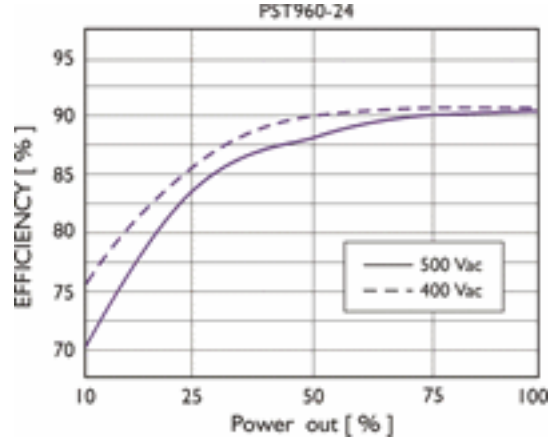
CIRCUIT SCHEMATIC



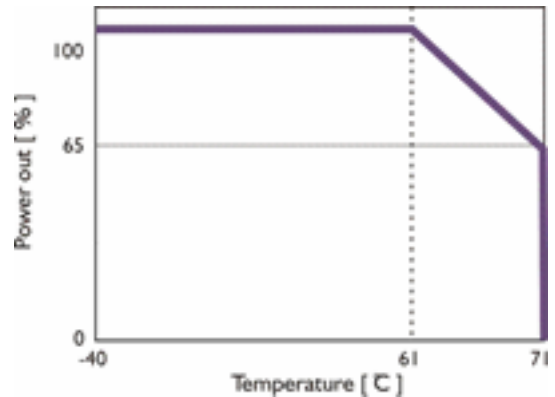
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Connector size range 2 (0.2-4mm²) flexible / solid cable. Output: AWG20-6 - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C Input and Rdy, P, G Control : AWG24 - 10 2 (0.5-10mm) flexible / solid cable - Output connector can withstand torque at maximum 15.6 pound-inches 10m/m stripping at cable end recommends

INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

PST960/24/40-E



40A ,3 Phase Din Rail Mountable Switching Power Supplies Economical

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 93%
- Compact design with a width of only 275.8 mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L126.2 XW275.8 X D118.8 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	381000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	52 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	40 A
Output Wattage	960 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	90 %
Efficiency (typ.)	92 %
Standard Packing Qty	1
Cat. No.	PST960/24/40-E

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	126.2 x 275.8 x 118.8 mm
Packing	3.68 kg ; 6 pcs / 23 kg / 2.41 CUFT
Weight	3400 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
CQC	GB4943, GB9254, GB17625.1
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme EN 61558-1, EN 61558-2-17 (meet EN 60204-1)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T5 A / 500 VAC internal / phase
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	30 - 33 VDC
Power Ready	17.6 - 19.4 VDC
Rated over load protection	120 -140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	3 Phase
Inrush Current	30 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current	35 A
Nominal Input Voltage	1Ø or 3Ø 380-480 VAC
P.F.C. (Passive)	0.8
Power Dissipation (Vi: 400 VAC, lo norm)	98 W
Rated Input Current -Max. (Vi : 400 VAC)	2.4 A
Rated Input Current -Max. (Vi : 400 VAC)	1.72 A
Rated Input Current -Typ. (Vi : 500 VAC)	1.5 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	17.6-19.4 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	17.6-19.4 VDC
Efficiency	93 %
Fall Time	150 msec
Hold Up Time	15 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %

OUTPUT SPECIFICATIONS....

Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	40 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	22.5 - 28.5 VDC
Parallel Operation	2 Units
Power Back Immunity	35 VDC
Rated Continuous Loading	40 A @ 24Vdc / 33.5 A @ 28.5Vdc
	80 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V -	Negative output terminal
10	IN	L2	Input terminals
11	IN	L1	Input terminals
12	IN	Earth	Ground this terminal to minimize high-frequency emissions
2	OUT	V -	Negative output terminal
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	OUT	G	Parallel GND PIN for current share
6	OUT	p	Parallel PIN for current share
7	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)
8	OUT	RDY	(Never connect except 24V model)
9	IN	L3	Input terminals

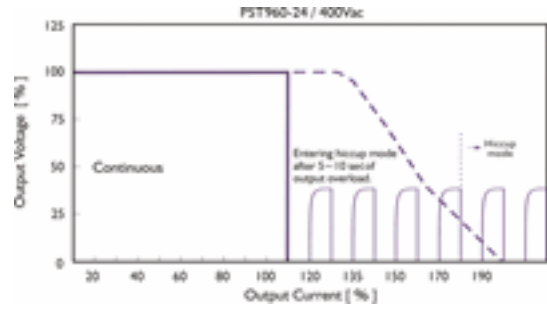
DIMENTIONAL DIAGRAM



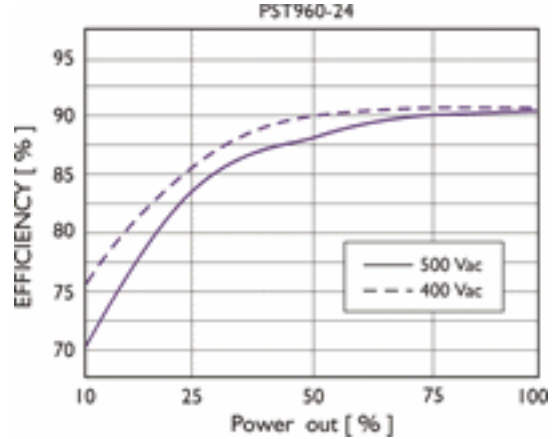
CIRCUIT SCHEMATIC



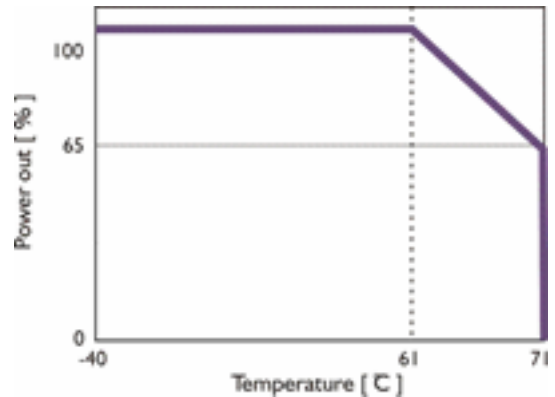
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



CONNECTION DETAILS

Connector size range 2 (0.2-4mm²) flexible / solid cable. Output: AWG20-6 - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C Input and Rdy, P, G Control : AWG24 - 10 2 (0.5-10mm) flexible / solid cable - Output connector can withstand torque at maximum 15.6 pound-inches 10m/m stripping at cable end recommends

INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

PST960/48/20



20A ,3 Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 93%
- Compact design with a width of only 275.8 mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L126.2 XW275.8 X D118.8 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	390000 hr
Pollution Degree	2
Relative Humidity Range	20 - 95 % RH
Switching Frequency (typ.)	52 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	20 A
Output Wattage	960 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	91 %
Efficiency (typ.)	93 %
Standard Packing Qty	1
Cat. No.	PST960/48/20

PHYSICAL SPECIFICATIONS

Case Material	Metal
Dimensions (H x W x D)	126.2 x 275.8 x 118.8 mm
Packing	3.68 kg ; 6 pcs / 23 kg / 2.41 CUFT
Weight	3400 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
CQC	GB4943, GB9254, GB17625.1
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme EN 61558-1, EN 61558-2-17 (meet EN 60204)
UL/cUL	UL 508 Listed UL 60950-1, Recognized ISA 12.12.01(Class I, Division 2, Groups A, B, C and D)
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	T5 A / 500 VAC internal / phase
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	60 - 68 VDC
Rated over load protection	120 -140 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	3 Phase
Inrush Current	30 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Max. Inrush Current	35 A
Nominal Input Voltage	1Ø or 3Ø 380-480 VAC
P.F.C. (Passive)	0.8
Power Dissipation (Vi: 400 VAC, Io norm)	90 W
Rated Input Current -Max. (Vi : 400 VAC)	2.4 A
Rated Input Current -Max. (Vi : 400 VAC)	1.72 A
Rated Input Current -Typ. (Vi : 500 VAC)	1.5 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	37-43 VDC
DC On Indicator	Green
DC ON Indicator Threshold at start up (Green LED)	37-43VDC
Efficiency	93 %
Fall Time	150 msec
Hold Up Time	15 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %

OUTPUT SPECIFICATIONS....

Minimum Load	0 %
Output Current	20 A
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	47 - 56 VDC
Parallel Operation	2 Units
Power Back Immunity	63 VDC
Rated Continuous Loading	20A @ 48Vdc / 17 A @ 56 Vdc
	80 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	V -	Negative output terminal
10	IN	L2	Input terminals
11	IN	L1	Input terminals
12	IN	Earth	Ground this terminal to minimize high-frequency emissions
2	OUT	V -	Negative output terminal
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	OUT	G	Parallel GND PIN for current share
6	OUT	p	Parallel PIN for current share
7	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)
8	OUT	RDY	(Never connect except 24V model)
9	IN	L3	Input terminals

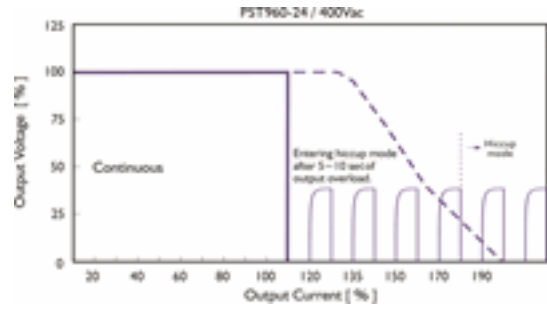
DIMENTISONAL DIAGRAM



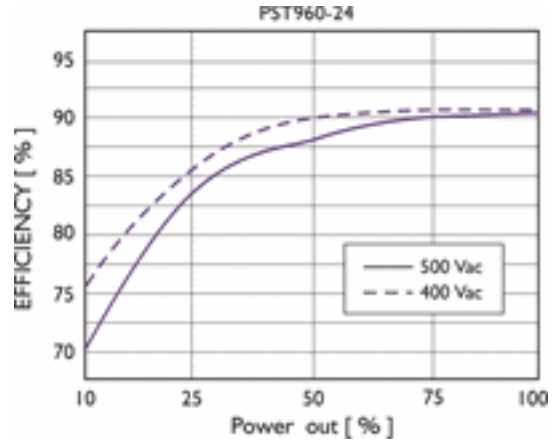
CIRCUIT SCHEMATIC



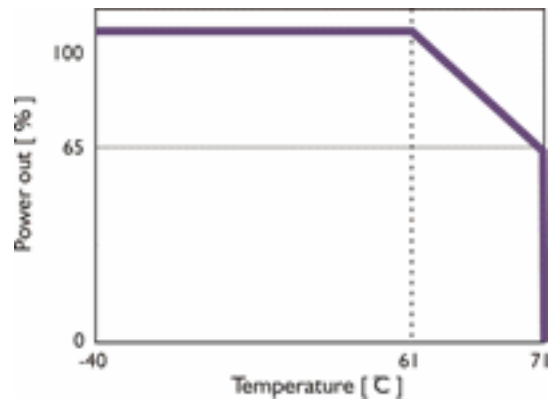
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

Connector size range 2 (0.2-4mm²) flexible / solid cable, Output: AWG20-6 - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C Input and Rdy, P, G Control : AWG24 - 10 2 (0.5-10mm) flexible / solid cable - Output connector can withstand torque at maximum 15.6 pound-inches 10m/m stripping at cable end recommends

PSD100/12/8.4



8.4A ,2ph/Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 87%
- Compact design with a width of only 54 mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L90xW54xD114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	622000 hr
Pollution Degree	2
Relative Humidity Range	min/max 20/95 % RH
Switching Frequency (typ.)	85 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	12 VDC
Output Current	8.4 A
Output Wattage	100.8 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	84%
Efficiency (typ.)	86%
Standard Packing Qty	1
Cat. No.	PSD100/12/8.4

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 x 54 x 114 mm (3.6 x 2.13 x 4.49 inches)
Packing	0.57 kg ; 32 pcs / 19.5 kg / 1.85 CUFT
Weight	500 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme. EN 61558-1, EN 61558-2-17 (meet EN 60204-1)
UL/cUL	UL 508 Listed UL 60950-1 Recognized
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	2A / 600 VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	min/max 14.5 / 17.4 VDC
Rated over load protection	min/max 115 / 135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	2PH /1PH
Inrush Current	10 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Nominal Input Voltage	1PH / 2PH 380 / 480 VAC
P.F.C. (Passive)	0.55
Power Dissipation (Vi: 400 VAC, Io norm)	15 W
Rated Input Current -Max. (Vi : 400 VAC)	0.75 A
Rated Input Current -Max. (Vi : 400 VAC)	0.48 A
Rated Input Current -Typ. (Vi : 500 VAC)	0.41 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	min / max 10/11.2 VDC
DC ON Indicator Threshold at start up (Green LED)	min / max 10/11.2 VDC

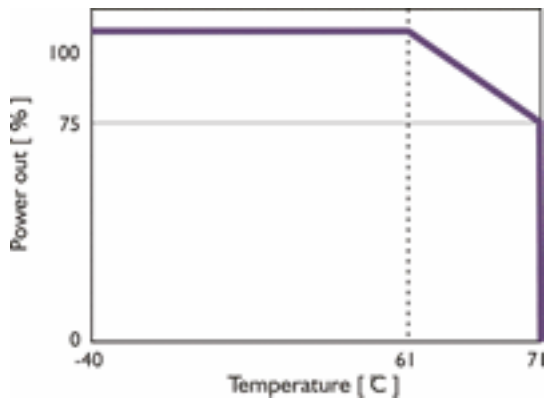
OUTPUT SPECIFICATIONS....

Efficiency	89 %
Fall Time	150 msec
Hold Up Time	20 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	8.4 A
Output Voltage	12 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	11.4 - 14.5 VDC
Parallel Operation	2 Units
Power Back Immunity	18 VDC
Rated Continuous Loading	8.4 A @ 12Vdc / 6.9 A @ 14.5 Vdc
	50 mV
Rise Time With 7000 µF	150 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 µF	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch (Except 24V/E models)
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)
2	OUT		(Never connect except 24V model)
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	OUT	V -	Negative output terminal
6	OUT	V -	Negative output terminal
7	IN	Earth	Ground this terminal to minimize high-frequency emissions
8	IN	N (L2)	Input terminals (phase conductor, no polarity at DC input)
9	IN	L1	Input terminals (neutral conductor, no polarity at DC input)

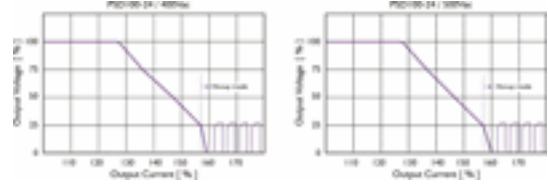
DIMENTISONAL DIAGRAM



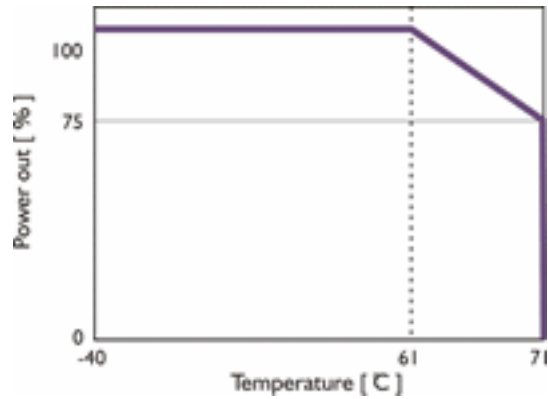
CIRCUIT SCHEMATIC



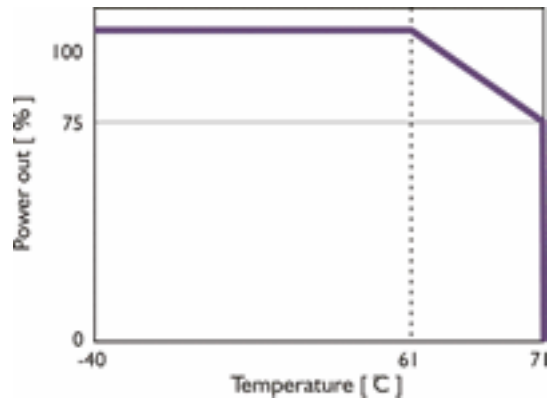
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

AWG24-14 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75Degree C

PSD100/24/4.2



4.2A ,2ph/Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 87%
- Compact design with a width of only 54 mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L90xW54xD114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	661000 hr
Pollution Degree	2
Relative Humidity Range	min/max 20/95 % RH
Switching Frequency (typ.)	85 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	24 VDC
Output Current	4200 mA
Output Wattage	100.8 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	85%
Efficiency (typ.)	87%
Standard Packing Qty	1
Cat. No.	PSD100/24/4.2

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 x 54 x 114 mm (3.6 x 2.13 x 4.49 inches)
Packing	0.57 kg ; 32 pcs / 19.5 kg / 1.85 CUFT
Weight	500 g

APPROVALS



ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme. EN 61558-1, EN 61558-2-17 (meet EN 60204-1)
UL/cUL	UL 508 Listed UL 60950-1 Recognized
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	2A / 600 VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	min/max 30 / 33 VDC
Power Ready	min / max 17.6 / 19.4 VDC
Rated over load protection	min/max 115/135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	2PH /1PH
Inrush Current	10 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Nominal Input Voltage	1PH / 2PH 380 / 480 VAC
P.F.C. (Passive)	0.55
Power Dissipation (Vi: 400 VAC, Io norm)	13.5 W
Rated Input Current -Max. (Vi : 400 VAC)	0.75 A
Rated Input Current -Typ. (Vi : 500 VAC)	0.41 A
Rated Input Current -Typ. (Vi : 575 VAC)	0.48 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	7000 µF
DC LOW Indicator Threshold after start up (Red LED)	min / max 17.6/19.4 VDC

ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

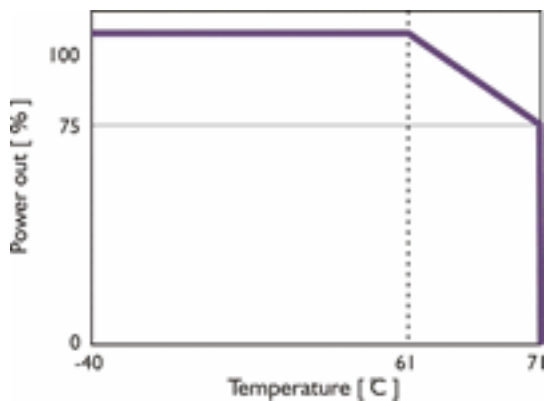
OUTPUT SPECIFICATIONS....

DC ON Indicator Threshold at start up (Green LED)	min / max 17.6/19.4 VDC
Efficiency	89 %
Fall Time	150 msec
Hold Up Time	20 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	4.2 A
Output Voltage	24 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	22.5 - 28.5 VDC
Parallel Operation	2 Units
Power Back Immunity	35 VDC
Rated Continuous Loading	4.2 A @ 24Vdc / 3.5 A @ 28.5 Vdc
	50 mV
Rise Time	150 ms
Rise Time With 7000 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 7000 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch (Except 24V/E models)
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)
2	OUT		(Never connect except 24V model)
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	OUT	V -	Negative output terminal
6	IN	V -	Negative output terminal
7	IN	Earth	Ground this terminal to minimize high-frequency emissions
8	IN	N (L2)	Input terminals (phase conductor, no polarity at DC input)
9	IN	L1	Input terminals (neutral conductor, no polarity at DC input)

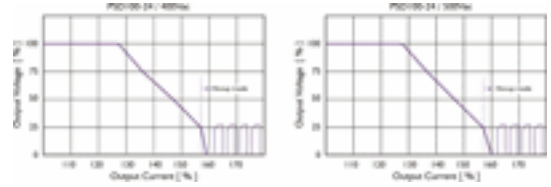
DIMENTISONAL DIAGRAM



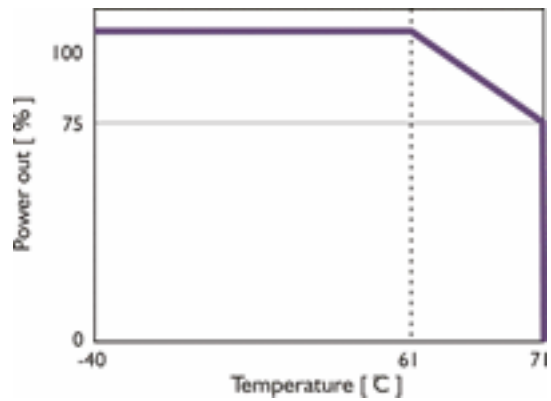
CIRCUIT SCHEMATIC



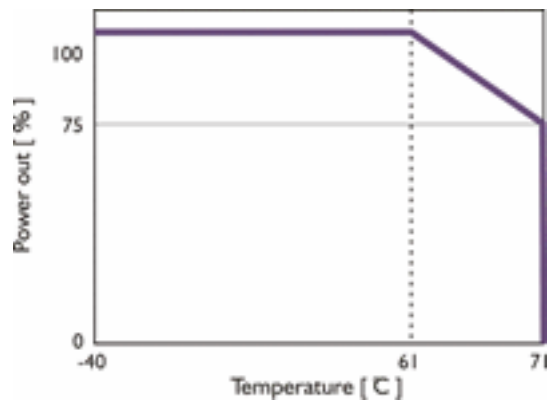
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

AWG24-14 (0.2-4mm²) flexible / solid cable, - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75Degree C

PSD100/48/2.1



2.1A ,2ph/Single Phase Din Rail Mountable Switching Power Supplies

- Full Range Input selection from 340 to 575 VAC
- Typical efficiency of 87%
- Compact design with a width of only 54 mm
- Parallel function available (Switch)
- Two years product warranty

GENERAL SPECIFICATION

Altitude During Operation (IEC 60068-2-13)	4850 m
Ambient Temperature Range (Operational at Vi norm)	-40 TO +71 Degree Celcius
Ambient Temperature Range (Storage)	-40 TO +85 Degree Celcius
Cooling	Free air convection
Derating from +61°C to +71°C (see derating curve)	2.5% per °C
Dimension	L90xW54xD114 mm
Isolation Resistance (Input-Output @500VDC)	100 M
Min. Isolation Voltage -AC (Input-FG)	1500 VAC
Min. Isolation Voltage -AC (Input-Output)	3000 VAC
Min. Isolation Voltage -DC (Input-FG)	2121 VDC
Min. Isolation Voltage -DC (Input-Output)	4242 VDC
MTBF (Bellcore Issue 6 @40°C, GB)	672000 hr
Pollution Degree	2
Relative Humidity Range	min/max 20/95 % RH
Switching Frequency (typ.)	85 KHz
Temperature Coefficient Range	+/- 0.03 % / Degree celcius

ORDERING INFORMATION

Output Voltage	48 VDC
Output Current	2.1 A
Output Wattage	100.8 W
Input Voltage Range	340 -575 VAC
Efficiency (min.)	87%
Efficiency (typ.)	89 %
Standard Packing Qty	1
Cat. No.	PSD100/48/2.1

PHYSICAL SPECIFICATIONS

Case Material	Plastic
Dimensions (H x W x D)	90 x 54 x 114 mm (3.6 x 2.13 x 4.49 inches)
Packing	0.57 kg ; 32 pcs / 19.5 kg / 1.85 CUFT
Weight	500 g

APPROVALS



ACCESSORIES

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA501-1M	Din 32 Rail unslotted 1 meter	50
	CA501-1M-S	Din 32 Rail slotted 1 meter	50
	CA501-2M	Din 32 Rail unslotted 2 meter	50
	CA501-2M-S	Din 32 Rail slotted 2 meter	50
	CA701-1M	Din 35 Rail unslotted 1 meter	50
	CA701-2M	Din 35 Rail unslotted 2 meter	50
	CA701-2M-S	Din 35 Rail slotted 2 meter	50
	CA701-1M-S	Din 35 Rail slotted 1 meter	50
	CA701-15-1M	Din 35 Rail 15 deep unslotted 1 meter	50
	CA701-15-1M-S	Din 35 Rail 15 deep slotted 1 meter	50
	CA701-15-2M	Din 35 Rail 15 deep unslotted 2 meter	50
	CA701-15-2M-S	Din 35 Rail 15 deep slotted 2 meter	50

ACCESSORIES....

IMAGES	CAT. NO.	DESCRIPTION	STD. PACK
	CA202	End Clamp in Polyamide suitable for Din 35 / Din 35-15 Rails	50
	CA702	End Clamp in Polyamide 66 suitable for Din 32 / Din 35 / Din 35-15 Rails	50
	SCPH1	Phillips Screwdriver for Phillips Recess screws	10

Standard Used for Testing

CAT. NO.	DESCRIPTION
CE	EN 61000-6-3, EN 55022 Class B, EN 61000-3-2, EN 61000-3-3 E N 61000-6-2, EN 55024, EN 61000-4-2 Level 4, EN 61000-4-3 Level 3 EN 61000-4-4 Level 4, EN 61000-4-5 L-N Level 3, L / N-FG Level 4 EN 61000-4-6 Level 3, EN 61000-4-8
Shock Resistance	meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face)
TUV	EN 60950-1, CB scheme. EN 61558-1, EN 61558-2-17 (meet EN 60204-1)
UL/cUL	UL 508 Listed UL 60950-1 Recognized
Vibration Resistance	meet IEC 60068-2-6 (Mounting by rail : 10-500 Hz, 2G, along X, Y, Z each Axis, 60 min for each Axis)

CONTROL AND PROTECTION SPECIFICATIONS

Degree of protection	IP20
Input fuse	2A / 600 VAC internal
Internal surge voltage protection: IEC61000-4-5	Varistor
Output short circuit	Hiccup mode
Over voltage protection	min/max 60 / 66 VDC
Rated over load protection	min/max 115/135 %

INPUT SPECIFICATIONS

AC Input Voltage Range	340 - 575 VAC
DC Input Voltage Range	480 - 820 VDC
Input Phase	2PH /1PH
Inrush Current	10 A
Leakage Current (Input-FG)	3.5 mA
Leakage Current (Input-Output)	0.25 mA
Line Frequency-Max.	63 Hz
Line Frequency-Min.	47 Hz
Nominal Input Voltage	1PH / 2PH 380 / 480 VAC
P.F.C. (Passive)	0.55
Power Dissipation (Vi: 400 VAC, Io norm)	10.5 W
Rated Input Current -Max. (Vi : 400 VAC)	0.75 A
Rated Input Current -Max. (Vi : 400 VAC)	0.48 A
Rated Input Current -Typ. (Vi : 500 VAC)	0.41 A
Rated Max. Input Voltage	500 VAC
Rated Min. Input Voltage	400 VAC

OUTPUT SPECIFICATIONS

Capacitor Load	3500 µF
DC LOW Indicator Threshold after start up (Red LED)	min / max 37/43 VDC
DC ON Indicator Threshold at start up (Green LED)	min / max 37/43VDC

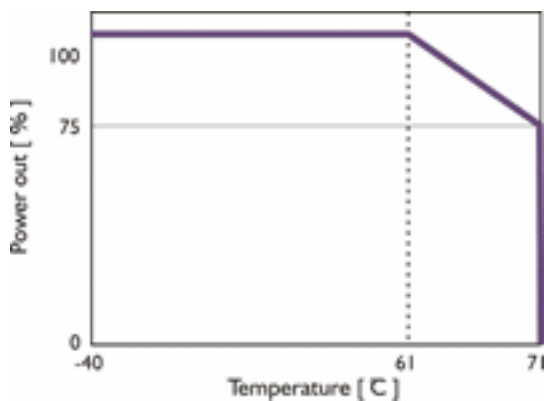
OUTPUT SPECIFICATIONS....

Efficiency	89 %
Fall Time	150 msec
Hold Up Time	20 msec
Line Regulation	+/- 1 %
Load Regulation: Parallel Mode	+/- 5 %
Load Regulation: Single Mode	+/- 1 %
Minimum Load	0 %
Output Current	2.1 A
Output Voltage	48 VDC
Output Voltage Accuracy (Adjusted before shipment)	+ 1 %
Output Voltage Trim Range	47 - 56 VDC
Parallel Operation	2 Units
Power Back Immunity	63 VDC
Rated Continuous Loading	2.1 A @ 48Vdc / 1.8 A @ 56 Vdc
	50 mV
Rise Time	150 ms
Rise Time With 3500 μ F	500 ms
Transient Recovery Time	2 ms
Turn On Time	1000 ms
Turn On Time With 3500 μ F	1500 msec

ORDERING INFORMATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
	OTHER	DC LO	DC LOW voltage indicator LED
	OTHER	DC ON	Operation indicator LED
	OTHER	S/P	Single / Parallel select switch (Except 24V/E models)
	OTHER	Vout ADJ.	Trimmer-potentiometer for Vout adjustment
1	OUT	RDY	A normal open relay contact for DC ON level control (Never connect except 24V model)
2	OUT		(Never connect except 24V model)
3	OUT	V+	Positive output terminal
4	OUT	V+	Positive output terminal
5	OUT	V -	Negative output terminal
6	OUT	V -	Negative output terminal
7	IN	Earth	Ground this terminal to minimize high-frequency emissions
8	IN	N (L2)	Input terminals (phase conductor, no polarity at DC input)
9	IN	L1	Input terminals (neutral conductor, no polarity at DC input)

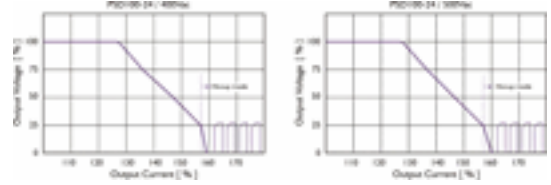
DIMENTISONAL DIAGRAM



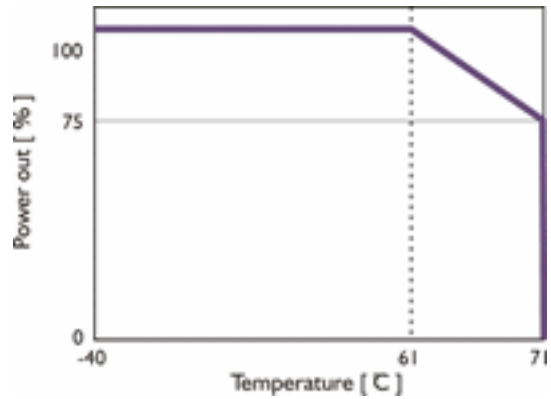
CIRCUIT SCHEMATIC



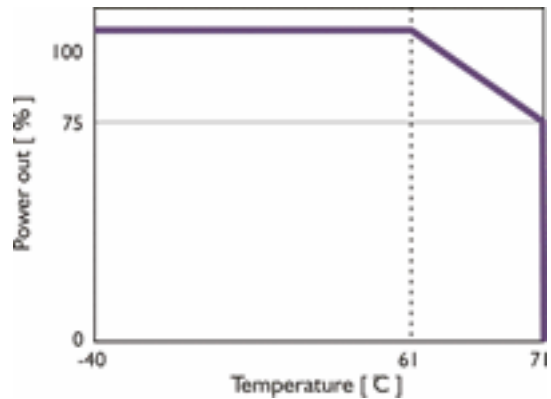
CURRENT LIMITED CURVE



EFFICIENCY CURVE



DERATING CURVE



INSTALLATION DETAILS

Ventilation / Cooling Normal convection All sides 25mm free space For cooling recommended

CONNECTION DETAILS

AWG24-14 (0.2-4mm²) flexible / solid cable. - Input connector can withstand torque at maximum 9 pound-inches. - Output connector can withstand torque at maximum 5.5 pound-inches. 8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75Degree C

CA902



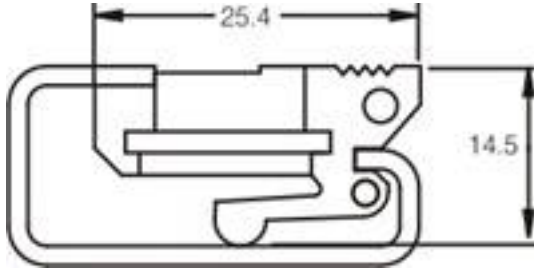
Mounting Base

This is used to assemble components on a Din Rail. The mounting base has 4 holes of Ø4.3mm and 2 holes of Ø5.5mm. CA902 can be used to fasten Din 15 Rail on to the Din 32 Rail.

PRODUCT SPECIFICATION

Pitch	14.5 mm
Height	11.8 mm
Depth	25.4 mm

CIRCUIT DIAGRAM



ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA902	This is mounting base used to assemble componenet on Din Rail	50

CMTB35



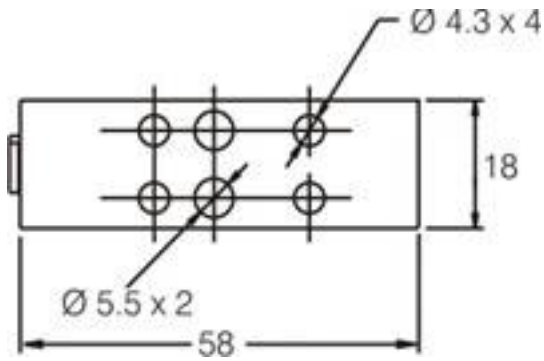
Mounting Base

CMTB35 is used to assemble components on a Din Rail. The mounting base has 4 holes of $\text{Ø}4.3\text{mm}$ and 2 holes of $\text{Ø}5.5\text{mm}$. CA902 can be used to fasten Din 15 Rail on to the Din 32 Rail.

PRODUCT SPECIFICATION

Height	18 mm
Width (Thickness)	18 mm
Length	58 mm
Material	Polyamide

PRODUCT DIAGRAM



ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CMTB35	This is mounting base used to assemble componenet on Din Rail	50

CA603



Mounting Brackets

These are used for better access and increased clearance from the surface of the panel. These brackets are zinc plated & chromate passivated.

CA603 - Can be used to install mounting rails at an angle of 45 Degree to the panel surface

PRODUCT SPECIFICATION

Height	48 mm
Width (Thickness)	18 mm
Length	80 mm
Material	Steel

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA603	This is used to install mounting rails at an angle of 45 degree to the panel surface.	25

CA703



Mounting Brackets

These are used for better access and increased clearance from the surface of the panel. These brackets are zinc plated & chromate passivated.

CA703 are used for fixing mounting rails at different heights.

PRODUCT SPECIFICATION

Height	25.4 mm
Width (Thickness)	18 mm
Length	74 mm
Material	Steel

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA703	CA703 are used for fixing mounting rails at different heights.	25

CA803



Mounting Brackets

These are used for better access and increased clearance from the surface of the panel. These brackets are zinc plated & chromate passivated.

CA803 are used for fixing mounting rails at different heights.

PRODUCT SPECIFICATION

Pitch	50.8 mm
Height	18 mm
Width (Thickness)	18 mm
Depth	74 mm
Material	Steel

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA803	CA803 are used for fixing mounting rails at different heights.	25

CA903



Mounting Brackets

These are used for better access and increased clearance from the surface of the panel. These brackets are zinc plated & chromate passivated.

CA903 are used for fixing mounting rails at different heights.

PRODUCT SPECIFICATION

Height	76.2 mm
Width (Thickness)	18 mm
Length	74 mm
Material	Steel

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
CA903	CA903 are used for fixing mounting rails at different heights.	25

LCCDS



Lock out Cap

Lock out caps help in keep connections closed when used with CDS6U Terminal Block in CT Circuits

ORDERING INFORMATION

CAT. NO.	DESCRIPTION	STD. PACK
LCCDS	Lock Out Cap for CDS6U Terminal Block	50

SUITABLE FOR

CDS6U	6 sq.mm Disconnect & Test Terminal Blocks
CDS6U/SC	6 sq.mm Disconnect & Test Terminal Blocks