

PSR10



10 A Redundant Module Din Rail Mountable

- Suitable for Redundant operation of 24V system
- Max. current capacity 10A
- Compact design with a width of only 35 mm

GENERAL SPECIFICATION

| | |
|--|----------------------|
| 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 |
| Dimension | L91 x W35 x D56.5 mm |
| MTBF (Bellcore Issue 6 @40°C, GB) | 9697000 hr |
| Relative Humidity Range | 20 to 95 %RH |

ORDERING INFORMATION

| | |
|----------------------|-------------|
| Output Current | 10 A |
| Input Voltage Range | 21 - 28 VDC |
| Standard Packing Qty | 1 |
| Cat. No. | PSR10 |

PHYSICAL SPECIFICATIONS

| | |
|------------------------|-------------------------------------|
| Case Material | Plastic |
| Dimensions (H x W x D) | 91 x 35 x 56.5 mm |
| Packing | 0.13 kg ; 80 pcs / 12kg / 1.82 CUFT |
| Weight | 75 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 |
| | CA502 | End Clamp in Steel suitable for Din 32 Rail | 50 |
| | SCPH1 | Phillips Screwdriver for Phillips Recess screws | 10 |

Standard Used for Testing

| CAT. NO. | DESCRIPTION |
|------------------|---|
| CE | EN 55022 Class B, EN 55024 EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-6, EN 61000-4-8EN 61204-3 |
| Shock Resistance | meet IEC 60068-2-27 (15G, 11ms, 3 Axis, 6 Faces, 3 times for each Face) |

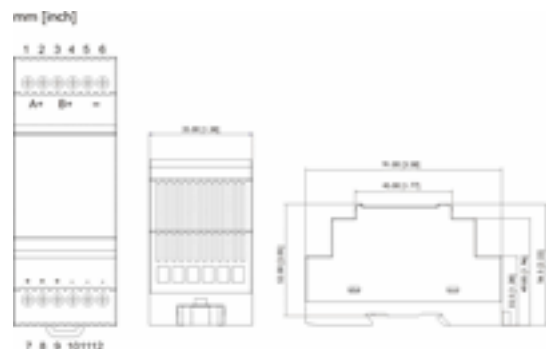
Standard Used for Testing....

| CAT. NO. | DESCRIPTION |
|---------------------------------|---|
| 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) |
| No. of inputs | 2 |
| Rated Input Current (Vi nom) | 10 A |
| Rated Max. Input Voltage | 28 VDC |
| Rated Min. Input Voltage | 21 VDC |
| Output Current | 10 A |
| Output Voltage Drop: Vin - Vout | 0.5 V |
| Reverse Voltage Max. | 30 V |

ORDERING INFORMATION

| PIN NO | POSITION | DESIGNATION | DESCRIPTION |
|--------|----------|-------------|---|
| 1 | IN | A+ | Input terminals |
| 10 | OUT | - | Negative output terminal |
| 11 | OUT | - | Negative output terminal / Input terminal |
| 12 | OUT | - | Negative output terminal / Input terminal |
| 2 | IN | A+ | Input terminals |
| 3 | IN | B+ | Input terminals |
| 4 | IN | B+ | Input terminals |
| 5 | IN | - | Input terminals |
| 6 | IN | - | Input terminals |
| 7 | OUT | + | Positive output terminal |
| 8 | OUT | + | Positive output terminal |
| 9 | OUT | + | Positive output terminal |

DIMENTISONAL DIAGRAM



CONNECTION DETAILS

Spring terminal: 2 AWG24-12 (0.2-2.5 mm²) flexible / solid cable,- Connector can withstand torque at maximum 6 pound-inches.7 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 Connector size range

PSR20



20 A Redundant Module Din Rail Mountable

- Suitable for Redundant operation of 24V system Max. Current capacity 20A
- Compact Design with a width of only 54 mm.
- Ready relay contacts
- Decoupling diodes
- LED indicator for input failure alarm

GENERAL SPECIFICATION

| | |
|--|---------------------|
| 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 |
| Dimension | L90 X W54 X D114 mm |
| Isolation Resistance (Input-Output @500VDC) | 100 M |
| MTBF (Bellcore Issue 6 @40°C, GB) | 659000 hr |
| Relative Humidity Range | 20 to 95 %RH |

ORDERING INFORMATION

| | |
|----------------------|-------------|
| Output Current | 20 A |
| Input Voltage Range | 21 - 28 VDC |
| Standard Packing Qty | 1 |
| Cat. No. | PSR20 |

PHYSICAL SPECIFICATIONS

| | |
|------------------------|-------------------------------------|
| Case Material | Plastic |
| Dimensions (H x W x D) | 90 x 54 x 114 mm |
| Packing | 0.28 kg ; 32 pcs / 10kg / 1.85 CUFT |
| Weight | 210 g |

APPROVALS



Standard Used for Testing

| CAT. NO. | DESCRIPTION |
|----------------------|---|
| CE | EN 55022 Class B, EN 55024 EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-6, EN 61000-4-8EN 61204-3 |
| 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 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) |

| | |
|-------------|---|
| Power Ready | OK:When input is>20V(±5%) or <30V(±5%) ,fail:When input is<20V(±5%) or >30V(±5%);Contact rating at 30VDC:1.0A |
|-------------|---|

| | |
|------------------------------|--------|
| No. of inputs | 2 |
| Rated Input Current (Vi nom) | 20 A |
| Rated Max. Input Voltage | 28 VDC |
| Rated Min. Input Voltage | 21 VDC |

OUTPUT SPECIFICATIONS

| | |
|---------------------------------|--|
| DC On Indicator | Two LEDs indicating each input is ok Green LED |
| Output Current | 20 A |
| Output Peak Current | 30 A |
| Output Voltage Drop: Vin - Vout | 0.5 V |
| Reverse Voltage Max. | 30 V |

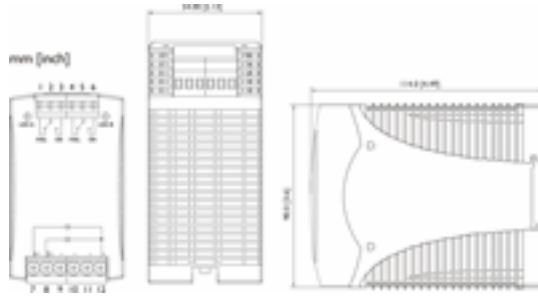
ACCESSORIES

| 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 |
| | 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 |

ORDERING INFORMATION

| PIN NO | POSITION | DESIGNATION | DESCRIPTION |
|--------|----------|-------------|---|
| 1 | OUT | RDY A FAIL | A normal open relay contact for DC ON level control |
| 10 | OUT | - | Negative output terminal / Input terminal |
| 11 | OUT | - | Negative output terminal / Input terminal |
| 12 | OUT | + | Positive output terminal |
| 2 | OUT | RDY A COM A | A normal open relay contact for DC ON level control |
| 3 | OUT | RDY A OK | A normal open relay contact for DC ON level control |
| 4 | OUT | RDY B FAIL | A normal open relay contact for DC ON level control |
| 5 | OUT | RDY B COM B | A normal open relay contact for DC ON level control |
| 6 | OUT | RDY B OK | A normal open relay contact for DC ON level control |
| 7 | IN | + A+ | Input terminal |
| 8 | IN | + B+ | Input terminal |
| 9 | OUT | - | Negative output terminal / Input terminal |

DIMENTISONAL DIAGRAM



CONNECTION DETAILS

Spring terminal: 2 IN / OUT: AWG24-10 (0.2-4mm²) flexible / solid cable, 7-8 m/m stripping at cable end recommends 0 Use copper conductors only, 60 / 75 C - Connector can withstand torque at maximum 5.5 pound-inches. 2 Relay: AWG24-12 (0.2-2.5mm²) flexible / solid cable, - 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