

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)

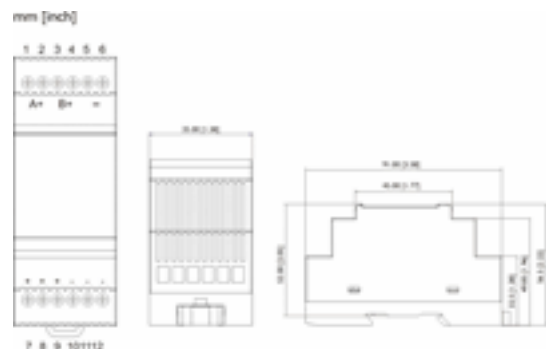
Standard Used for Testing....

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



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

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

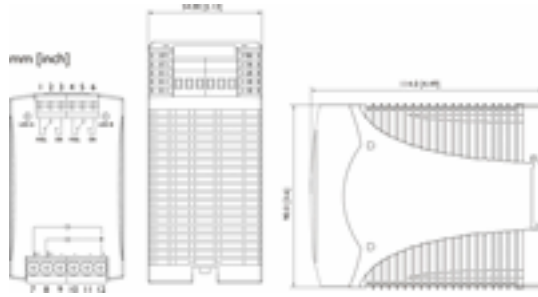
OUTPUT SPECIFICATIONS

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

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