

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

Isolation Resistance (Input-Output @500VDC)	100 MΩ
Ambient Temperature Range (Operational at Vi nom)	-40 to +71 deg.C
Ambient Temperature Range (Storage)	-40 to +85 deg.C
Relative Humidity Range	20 to 95 %RH
MTBF (Bellcore Issue 6 @40°C, GB)	659000 hr
Dimension	L90 X W54 X D114 mm
Cooling	Free Air Convection

ORDERING INFORMATION

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

PHYSICAL SPECIFICATIONS

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

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	25
	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

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
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)
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

INPUT SPECIFICATIONS

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

OUTPUT SPECIFICATIONS

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

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CONTROL AND PROTECTION SPECIFICATIONS

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
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PIN CONFIGURATION

PIN NO	POSITION	DESIGNATION	DESCRIPTION
1	OUT	RDY A FAIL	A normal open relay contact for DC ON level control
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
10	OUT	-	Negative output terminal / Input terminal
11	OUT	-	Negative output terminal / Input terminal
12	OUT	+	Positive output terminal

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

DIMENSIONAL DIAGRAM

