

- Suitable for connecting power supplies without ORing diodes
- Suitable for 12 to 80 V
- CPU-controlled electronic redundancy
- Current failure and unbalance alarm
- High efficiency and low consumption



PRELIMINARY



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NOTE

[1] The "DC-OK" LED signals the status of the output, "Unbalance" LEDs signal if the current sharing is balanced or not balanced, "alarm" LED signals an unbalanced and critical situation or the failure of one power supply

[2] The "Alarm" contact opens in case of an unbalanced and critical situation or the failure of one power supply

CODE	XCSR2M20AA	XCSR2M40AA
TYPE	CSR-2M/20/AA	CSR-2M/40/AA
INPUT TECHNICAL DATA		
Input voltage range	12...80 Vdc	12...80 Vdc
Input nominal current	2 x 20 A	2 x 40 A
Internal protection fuse	—	—
OUTPUT TECHNICAL DATA		
Output voltage range	10.8...85 Vdc	10.8...85 Vdc
Continuous current	1 x 25 A (max. 40 A peak)	1 x 50 A (max. 80 A peak)
Overload limiting	—	—
Protections	—	—
IN-OUT voltage drop	0.2 V at 25 A	0.2 V at 50 A
Status indication	LED "DC OK" / LED "Alarm" / LED "Unbalance" (1)	LED "DC OK" / LED "Alarm" / LED "Unbalance" (1)
Alarm contact	dry contact, max. 1A @ 24 Vdc (2)	dry contact, max. 1A @ 24 Vdc (2)
GENERAL TECHNICAL DATA		
Efficiency	>98% (12 V / 50 A)	>98% (12 V / 50 A)
Dissipated power	5 W	10 W
Operating temperature range	-20...+50°C	-20...+50°C
Input / output isolation	0.5 kVac / 60 s	0.5 kVac / 60 s
Input / ground isolation	0.5 kVac / 60 s	0.5 kVac / 60 s
Output / ground isolation	0.5 kVac / 60 s	0.5 kVac / 60 s
Standard approvals	—	—
EMC Standards	EN 61000-6-2, EN 61000-6-4	EN 61000-6-2, EN 61000-6-4
Overvoltage category / Pollution degree	II / 2	II / 2
Protection degree	IP 20	IP 20
Connection terminal IN / OUT	16 mm ² / 16 mm ² / 1.5 mm ² (signal)	16 mm ² / 16 mm ² / 1.5 mm ² (signal)
Housing material	aluminium	aluminium
Dimensions	40x110x145	40x110x145
Approximate weight	200 g	200 g
Mounting information	vertical on a rail, 10 mm from adjacent components	vertical on a rail, 10 mm from adjacent components
APPROVALS	CE	CE
ACCESSORIES		
Mounting rail (IEC60715/TH35-7.5)	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
Mounting rail (IEC60715/TH35-15)	—	—
Marking tag	—	—