

Technical data sheet

Power supply · Compact series, Redundant module

Redundant module 12 to 85 V, 50 A

Potential-free signalling contact

Status LED per input



Identification

Type	CPSRM50
Part No.	722999

Product version

Datasheet version	00
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Input

No. of inputs	2
Operation voltage range	DC 12–85 V
Rated current I_N	max. 50 A per input

Output

Output voltage/current	DC 12 V–85 V/50 A
Voltage drop	<0.2 V
Max. output current	300 A
Power Dissipation	max. 10 W
Overtemperature protection	No
Over voltage protection	No

Status indication

Status indication DC ON LED green	IN1, IN2 OK
Status indication DC ON LED red	Redundancy error

Monitoring

DC ON Control (Rdy)	N/O contact
Switching voltage	AC 300 V / DC 24 V
Switching current	AC/DC 1 A
Switching capacity	300 VA / 30 W

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22.09.2023 • Subject to technical modification

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SYSTEMATIC TECHNOLOGY

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Isolation voltage DC 100 V

General

Cooling	Air convection
Housing material	Aluminum
Mounting	DIN rail mountable TS35 (EN 60715)
Installation position	Vertical
Degree of protection	IP20 (IEC 529 / EN 60529)
Weight/unit	0.35 kg
Connection type	Input Screw terminal plug-in 0.20 mm ² – 16.0 mm ² Output Screw terminal plug-in 0.20 mm ² – 16.0 mm ² Relays Screw terminal plug-in 0.20 mm ² – 1.5 mm ²
Dimensions (w × h × d)	40.0 mm × 115.0 mm × 110.0 mm
PU (units)	1

General ambient conditions

Operation temperature range	-40 °C ... +75 °C (UL approved up to +75 °C)
Storage temperature range	-40 °C ... +80 °C
Over voltage category	II
Degree of pollution	2
Relative air humidity	5 – 95 % RH, non-condensing
Vibration resistance	5 – 17.8 Hz: ±1.6 mm, 17.8 – 500 Hz: 2 g 2 hours/axes X,Y,Z, IEC 60068-2-6
Shock resistance	30 g 6 ms, 20 g 11 ms, 3 shocks/direction, 18 shocks in total, IEC60068-2-27

Approvals/Standards

Approvals	CE UKCA cULus (E249179)
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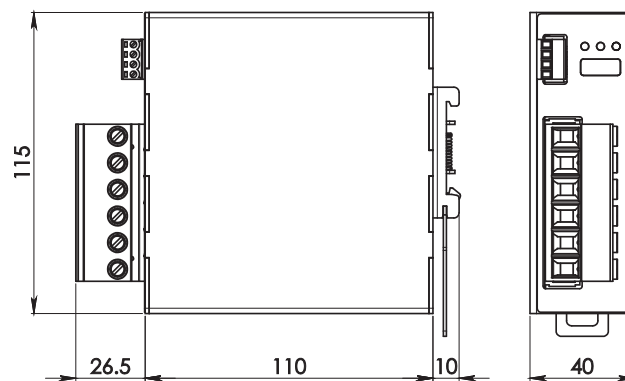
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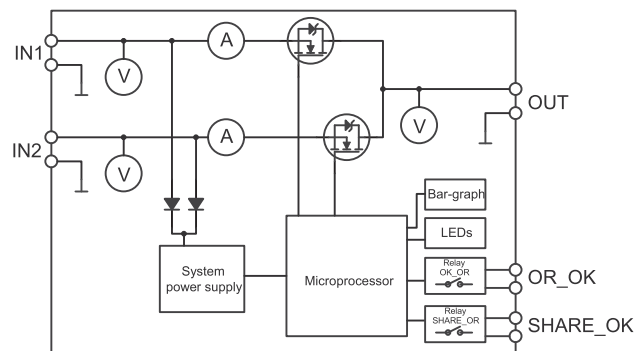
Standards

UL 508
IEC/EN 61010-1
IEC/EN 61010-2-201
IEC/EN 60950
EN 55011 (CISPR11) Class A
EN 55022 (CISPR22) Class A
EN 61000-4-2 Level 3
EN 61000-4-3 Level 3
EN 61000-4-4 Level 3
EN 61000-4-5 Level 3
EN 61000-4-11 Level 2
IEC 60068-2-6 (Vibration sinusoidal), 5-17.8 Hz: ± 1.6 mm, 17.8-500 Hz: 2 g
2 hours / axis (X,Y,Z)
IEC 60068-2-27 (Shock), 30 g 6 ms, 20 g 11 ms, 3 bumps / direction,
18 bumps total

Dimensions



PIN assignment



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Use

