

Technical data sheet

Power supply · Redundant module

Redundant module 20 A with 2 inputs

Potential-free signalling contact and Status LED per input

Over- and undervoltage control



Identification

Type	DRP20
Part No.	722987

Product version

Datasheet version	00
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Input

Rated voltage U_N	DC 24 V
No. of inputs	2
Operation voltage range	DC 21–28 V
Rated current I_N	max. 20 A in total

Output

Output voltage/current	DC 24 V/20 A
Rated voltage U_N	24 V
Rated current I_N	20 A
Voltage drop	0.5 V
Max. output current	30 A, 5 s @ 24 V
Inverse voltage	30 V
Power Dissipation	max. 10 W
Over voltage protection	No
Rated over load protection	No

Status indication

Status indication DC ON LED green ON: DC input A or B OK / OFF: Error

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SYSTEMATIC TECHNOLOGY

Technical data sheet

Power supply · Redundant module

Monitoring

DC ON Control (Rdy)	Changeover contact per input No error: input voltage >20 V or <30 V, connection 2(5) - 3(6) closed Error: input voltage <20 V or >30 V, connection 2(5) - 1(4) closed
Switching voltage	AC 300 V / DC 150 V
Switching current	AC/DC 1 A
Switching capacity	300 VA / 30 W
Isolation voltage	AC 100 V

General

Cooling	Air convection
Housing material	Plastic
Mounting	DIN rail mountable TS35 (EN 60715)
Max. altitude operation	5000 m (EN 62368-1)
Installation position	Vertical
MTBF	659000 h
Degree of protection	IP20 (IEC 529 / EN 60529)
Weight/unit	0.21 kg
Connection type	Screw terminal 0.20 mm ² – 4.0 mm ² AWG 24 – AWG 10
Dimensions (w × h × d)	54.0 mm × 90.0 mm × 114.0 mm
PU (units)	1

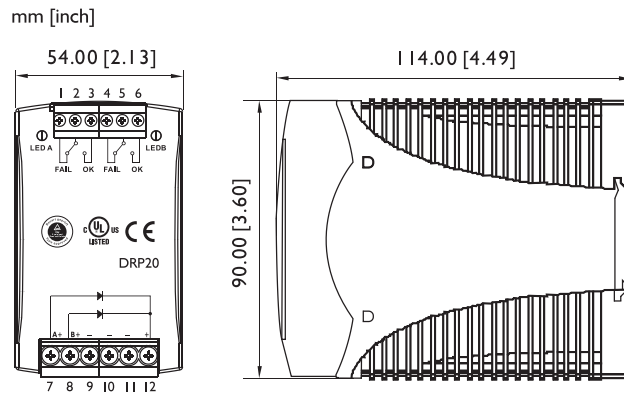
General ambient conditions

Operation temperature range	-40 °C ... +71 °C (Derating)
Storage temperature range	-40 °C ... +85 °C
Over voltage category	II
Degree of pollution	2

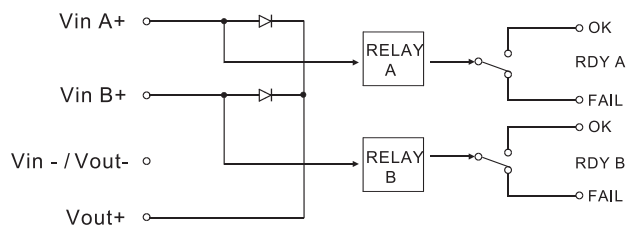
Approvals/Standards

Approvals	UL 508 Listed (E249179) UL 60950-1 CE UKCA
Standards	IEC/EN 62368-1 EN 55032 Class B EN 61000-4-2 EN 61000-4-4 EN 61000-4-5 EN 61000-4-6 EN 61000-4-8 ENV 50204 EN 61204-3

Dimensions

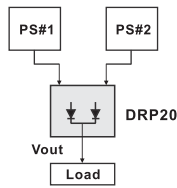


PIN assignment

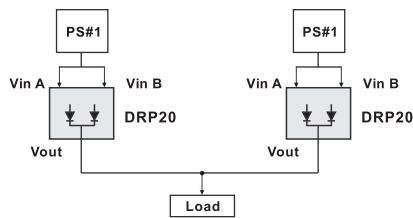


Use

1. 1 + 1 Redundancy



2. Single Use



3. 1 + N Redundancy

