HIRSCHMANN
A BELDEN BRAND



Product: RPSS480-48V EEC

48 V DC DIN rail power supply unit

Product Description

Din-Rail power supply, 480 W output power, 48 V DC output voltage, 100-240 V AC input voltage, operating temperature -30 ºC up to +70 ºC

Technical Specifications

Product description

Type:	RPSS480-48V EEC
Part Number:	942343480

More Interfaces

Voltage input:	1 x terminal block, 3-pin
Voltage output:	1 x terminal block, 4-pin

Power requirements

Current consumption:	max. 4,7 A at 115 V AC, 2,4 A at 230 V AC
Input Voltage:	100-240 V AC
Operating Voltage:	90-264 V AC
Output Current:	10 A
Activation Current:	40 A at 230 V AC

Power Output

Output voltage:	48 V DC

Ambient conditions

MTBF (Telcordia SR-332 Issue 3) @ 25°C:	700000 hrs.
Operating temperature:	-30-+70 °C
Note:	derating starting at 40°C with 115 V AC derating starting at 50°C with 230 V AC
Minimum Storage Temperature:	-40-+85 °C
Relative humidity (non-condensing):	20-90 %

Mechanical construction

Dimensions (WxHxD):	56 mm x 123,6 mm x 116,8 mm
Weight:	870 g
Mount Type:	DIN Rail
IP Protection Rating:	IP20

Mechanical stability

IEC 60068-2-27 shock:	10 g, 11 ms duration

EMC interference immunity

EN 61000-4-2 electrostatic discharge (ESD):	± 8 kV contact discharge; ± 15 kV air discharge

EN 61000-4-5 surge voltage:	power lines: 4 kV (line/earth), 2 kV (line/line)

Approvals

Basis Standard:	CE, UKCA, RCM, BIS
Safety of industrial control equipment:	UL 62368, UL 61010-1
Transportation:	EN50121-4

Reliability

Guarantee:	24 months (please refer to the &lta href="https://assets.belden.com/m/1424ddb7a3280e7a/original/Hirschmann-Automation-and-Control-GmbH-Terms-of-Guarantee.pdf"terms of guarantee &lt/a for detailed information)

Scope of delivery and accessories

Scope of delivery:	Rail power supply, Description and operating manual

Further Instructions

Certificates:	https://www.doc.hirschmann.com/certificates.html

History

Update and Revision:	Revision Number: 0.27 Revision Date: 03-30-2026

Variants

Item #	Type
942343480	RPSS480-48V EEC

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