



Product: [RPS 90/48V LV, PoE-Power Supply](#) 

48 V DC rail power supply unit

Product Description

48 V DC rail power supply unit

Technical Specifications

Product description

Type:	RPS 90/48V LV
Description:	48 V DC rail power supply unit
Part Number:	943980001
Availability:	Discontinued: Last order date 31.10.2020

More Interfaces

Voltage input:	1 x terminal block, 2-pin
Voltage output:	1 x terminal block, 4-pin

Power requirements

Current consumption:	24 V DC (4,2 A), 48 V DC (2,1 A)
Input voltage:	18 V DC to 60 V DC
Operating Voltage:	24 V DC
Output current:	1.9 A static at 48 V nominal
Redundancy functions:	redundant power supply
Activation Current:	15 A

Power Output

Output voltage:	48 - 54 V DC (typ. 48 V); externally adjustable
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Software

Diagnostics:	LED (green)
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Ambient conditions

MTBF (MIL-HDBK 217F: Gb 25 °C):	1878940 h
Operating temperature:	-25-+60 °C
Storage/transport temperature:	-40-+85 °C
Relative humidity (non-condensing):	5-95 %

Mechanical construction

Dimensions (WxHxD):	60 mm x 137 mm x 115 mm
Weight:	770 g
Mounting:	DIN Rail
Protection class:	IP30

Mechanical stability

IEC 60068-2-6 vibration:	Operating: 4 ... 500Hz 1,5g
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IEC 60068-2-27 shock:	15 g, 11 ms duration
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EMC interference immunity

EN 61000-4-2 electrostatic discharge (ESD):	± 6 kV contact discharge; ± 8 kV air discharge
EN 61000-4-3 electromagnetic field:	10 V/m (80 MHz ... 3000 MHz)
EN 61000-4-4 fast transients (burst):	4 kV power line
EN 61000-4-5 surge voltage:	power lines: 2 kV (line/earth), 1 kV (line/line)
EN 61000-4-6 Conducted Immunity:	10 V (150 kHz .. 80 MHz)

EMC emitted immunity

EN 55032:	EN 55032 Class A
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Approvals

Basis Standard:	CE, EN61850-3
Safety of industrial control equipment:	EN 60950-1
Safety of information technology equipment:	cUL 60950-1 (pending)
Employment in vehicles:	E1
Hazardous locations:	ISA 12.12.01 Class 1 Div. 2 (pending)
Shipbuilding:	Germanischer Lloyd, ABS
Substation:	IEC 61850-3, IEEE 1613
Railway norm:	EN50121-4

Scope of delivery and accessories

Scope of delivery:	Rail Power Supply, Description and operating manual, 1 x terminal block, 2-pin, 1 x terminal block, 4-pin
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Further Instructions

Product Documentation:	https://www.doc.hirschmann.com
Certificates:	https://www.doc.hirschmann.com/certificates.html
Update and Revision:	Revision Number: 0.90 Revision Date: 08-17-2022

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