



Part Number: RPS 90/48V HV, 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 HV
Part Number:	943 979-001

More Interfaces

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

Power requirements

Current consumption:	60 V DC (1.7 A), 250 V DC (0.4 A), 110 V AC (1.0 A), 230 V AC (0.5 A)
Input voltage:	100-240 V AC; 50-60 Hz oder 85 bis 264 V AC; 47-63 Hz (DC 100-375 V)
Operating Voltage:	60 / 120 / 250 V DC (48-320 V) und 110 / 230 V AC
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):	1844059 h
Operating temperature:	-40+50 °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:	740 g
Mounting:	DIN Rail
Protection class:	IP30

Mechanical stability

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

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: 4 kV (line/earth), 2 kV (line/line)
EN 61000-4-6 Conducted Immunity:	10 V (150 kHz .. 80 MHz)

Approvals

Basis Standard:	CE, EN61850-3
Safety of industrial control equipment:	EN 60950-1
Safety of information technology equipment:	cUL 60950-1 (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, 3-pin, 1 x terminal block, 4-pin
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Variants

Item #	Type
943979001	RPS90/48V HV

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