



Product: [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
Description:	48 V DC rail power supply unit
Part Number:	943979001
Availability:	Discontinued: Last order date 31.10.2020

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
-----------------	---

Software

Diagnostics:	LED (green)
--------------	-------------

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)

EMC emitted immunity

EN 55032:	EN 55032 Class A
-----------	------------------

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
--------------------	---

Further Instructions

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

Variants

Item #	Type
943979001	RPS90/48V HV

Update and Revision:	Revision Number: 0.70 Revision Date: 05-18-2021
----------------------	---

© 2021 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.