



**Product:** [RPS 30](#) 

24 V DC DIN rail power supply unit

## Product Description

24 V DC DIN rail power supply unit

## Technical Specifications

### Product description

Type:	RPS 30
Description:	24 V DC DIN rail power supply unit
Part Number:	943662003

### More Interfaces

Voltage input:	1 x terminal block, 3-pin
Voltage output:	1 x terminal block, 5-pin

### Power requirements

Current consumption:	max. 0,35 A at 296 V AC
Input voltage:	100 to 240 V AC; 47 to 63 Hz or 85 to 375 V DC
Operating Voltage:	230 V
Output current:	1.3 A at 100 - 240 V AC
Redundancy functions:	Power supply units can be connected in parallel
Activation Current:	36 A at 240 V AC and cold start

### Power Output

Output voltage:	24 V DC (-0,5%, +0,5%)
-----------------	------------------------

### Software

Diagnostics:	LED (power, DC ON)
--------------	--------------------

### Ambient conditions

Operating temperature:	-10-+70 °C
Note:	from 60    C derating
Storage/transport temperature:	-40-+85 °C
Relative humidity (non-condensing):	5-95 %

### Mechanical construction

Dimensions (WxHxD):	45 mm x 75 mm x 91 mm
Weight:	230 g
Mounting:	DIN Rail
Protection class:	IP20

### Mechanical stability

IEC 60068-2-6 vibration:	Operating: 2 ... 500Hz 0,5m²/s³
IEC 60068-2-27 shock:	10 g, 11 ms duration

EMC interference immunity

EN 61000-4-2 electrostatic discharge (ESD):	± 4 kV contact discharge; ± 8 kV air discharge
EN 61000-4-3 electromagnetic field:	10 V/m (80 MHz ... 2700 MHz)
EN 61000-4-4 fast transients (burst):	2 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
-----------	------------------

Approvals

Basis Standard:	CE
Safety of industrial control equipment:	cUL 60950-1, cUL 508
Safety of information technology equipment:	cUL 60950-1
Hazardous locations:	ISA 12.12.01 Class 1 Div. 2 (pending)
Shipbuilding:	DNV

Reliability

Guarantee:	24 months (please refer to the terms of guarantee for detailed information)
------------	---

Scope of delivery and accessories

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

Further Instructions

Product Documentation:	<a href="https://www.doc.hirschmann.com">https://www.doc.hirschmann.com</a>
Certificates:	<a href="https://www.doc.hirschmann.com/certificates.html">https://www.doc.hirschmann.com/certificates.html</a>

History

Update and Revision:	Revision Number: 0.110 Revision Date: 04-17-2024
----------------------	--

Variants

Item #	Type
943662003	RPS 30, Rail Power Supply

© 2024 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.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Hirschmann:](#)

[RPS 30](#)