HIRSCHMANN
A BELDEN BRAND



Product: RPS 120 EEC

24 V DC DIN rail power supply unit

Product Description

24 V DC DIN rail power supply unit

Technical Specifications

Product description

Type:	RPS 120 EEC (CC)
Description:	24 V DC DIN rail power supply unit
Part Number:	943662121

More Interfaces

Voltage input:	1 x Bi-stable, quick-connect spring clamp terminals, 3-pin
Voltage output:	1 x Bi-stable, quick-connect spring clamp terminals, 6-pin

Power requirements

Current consumption:	max. 1,4-0,65 A at 100-240 V AC max. 1,2 - 0,45 A bei 120 - 300 V DC
Input Voltage:	100-240 V AC (-15/+10%); 50-60Hz or 110 to 300 V DC (+/-20%)
Operating Voltage:	230 V
Output Current:	5-4.5 A continuous; min 7.5-6.7 A for typ. 4 sec
Redundancy functions:	Power supply units can be connected in parallel
Activation Current:	< 15 A at 100 and 230 V AC

Power Output

Output voltage:	24-28 V DC (typ. 24,1 V); externally adjustable

Software

Diagnostics:	LED (DC OK, Overload)

Ambient conditions

Operating temperature:	-25-+70 °C
Note:	inclusive Conformal Coating (from 60 ‖C Derating)
Minimum Storage Temperature:	-40-+85 °C
Relative humidity (non-condensing):	5-95 %

Mechanical construction

Dimensions (WxHxD):	40 mm x 124 mm x 117 mm
Weight:	620 g
Mount Type:	DIN Rail
IP Protection Rating:	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 &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

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

History

Update and Revision:	Revision Number: 0.122 Revision Date: 02-20-2026

Variants

Item #	Type
943662121	RPS 120 EEC

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