HIRSCHMANN
A BELDEN BRAND



Product: PC150/110V/54V power supply

DC/DC converter with 54 V power output

Product Description

DC/DC converter with 54 V power output

Technical Specifications

Product description

Type:	PC150/110V/54V
Description:	DC/DC converter with 54 V power output
Part Number:	942242001

More Interfaces

Voltage input:	Terminal block with pull spring, 7-pin
Voltage output:	Terminal block with pull spring, 7-pin

Power requirements

Current consumption:	176 W
Input Voltage:	50.4 V DC to 154 V DC
Operating Voltage:	72 V DC ... 110 V DC (50.4 V DC ... 154 V DC)
Output Current:	2.8 A
Power output in BTU (IT)/h:	89
Activation Current:	2.4 A

Power Output

Output voltage:	54 V DC SELV +1.5 % Tolerance

Ambient conditions

Operating temperature:	-40-+70 °C
Minimum Storage Temperature:	-40-+85 °C
Relative humidity (non-condensing):	5-95 %

Mechanical construction

Dimensions (WxHxD):	160 mm x 65 mm x 115 mm
Weight:	1.4 kg
Mount Type:	Wall mounting
IP Protection Rating:	IP20

Mechanical stability

IEC 60068-2-6 vibration:	Operating: 5 Hz .. 150 Hz, broadband noise vertical: 1,0 m/s² (rms) horizontal: 0,7 m/s² (rms), not operating: 5 Hz .. 150 Hz, broadband noise vertical: 7,9 m/s² (rms) horizontal: 5,5 m/s² (rms)
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 ... 6000 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
FCC CFR47 Part 15:	FCC 47CFR Part 15, Class A

Approvals

Basis Standard:	CE, EN50155, EN61131-2
Safety of industrial control equipment:	EN 60950-1
Railway norm:	EN 50121-4, EN 50155
Transportation:	EN 50121-4, EN 50155, EN 45545-2 HL2

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:	1 × Device; 1 × General safety instructions; 1 × 7-pin terminal block

Further Instructions

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

History

Update and Revision:	Revision Number: 0.104 Revision Date: 02-20-2026

Variants

Item #	Type
942242001	PC150/110V/54V Netzteil

© 2026 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.