HIRSCHMANN
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Product: PC150/72V/48V-IP67, IP67 Netzteil

DC/DC converter with 48 V power output

Product Description

DC/DC converter with 48 V power output

Technical Specifications

Product description

Type:	PC150/72V/48V-IP67
Description:	DC/DC converter with 48 V power output
Part Number:	943968101

More Interfaces

Voltage input:	1.1 m cable
Voltage output:	0.5 m cable with M12-connector A-Coded

Power requirements

Current consumption:	max. 2.976 A at 50.4 V DC max. 0.97 A at 154 V DC
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:	max. 3.125 A at 48 V DC
Activation Current:	12 A

Power Output

Output voltage:	48 V DC

Ambient conditions

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

Mechanical construction

Dimensions (WxHxD):	240 mm x 65 mm x 115 mm
Weight:	3.1 kg
Mount Type:	Wall mounting
IP Protection Rating:	IP67

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:	20 V/m (80 MHz ... 2700 MHz)
EN 61000-4-4 fast transients (burst):	4 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 information technology equipment:	cUL 60950-1 (pending)
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:	DC/DC converter, installation guide and manual

Further Instructions

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

History

Update and Revision:	Revision Number: 0.118 Revision Date: 02-20-2026

Variants

Item #	Type
943968101	PC150/72V/48V-IP67, IP67 Netzteil

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