

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
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Ambient conditions

Operating temperature:	-40-+70 °C
Storage/transport 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
Mounting:	Wall mounting
Protection class:	IP20

Mechanical stability

IEC 60068-2-6 vibration:	Operating: 5 Hz .. 150 Hz, broadband noise vertical: 1,0 m/s ² (rms) horizontal: 0,7 m/s ² (rms), not operating: 5 Hz .. 150 Hz, broadband noise vertical: 7,9 m/s ² (rms) horizontal: 5,5 m/s ² (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
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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 terms of guarantee for detailed information)
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Scope of delivery and accessories

Scope of delivery:	1 × Device; 1 × General safety instructions; 1 × 7-pin terminal block
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Further Instructions

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

History

Update and Revision:	Revision Number: 0.86 Revision Date: 10-24-2023
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Variants

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

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