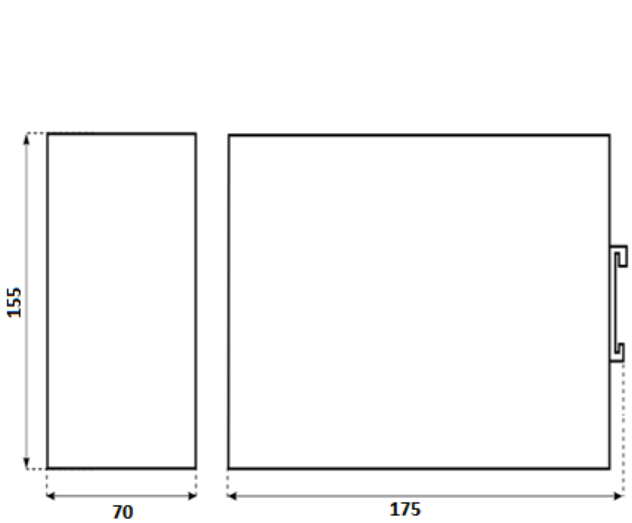
SS-250-480/DIN_1K5



DESCRIPTION

Switching power supply DC/DC SS-250-480/DIN_1K5 is designed to supply electronic devices of controlling and monitoring applications from traction voltage. Safe separation of primary and secondary circuits, secondary circuits of SELV type.
The power supply is placed in a metal box with a holder, allowing mounting on a DIN35 rail. LED operation indication.

TECHNICAL PARAMETERS

Input Data

Input voltage, DC	400-1500 V DC
Input current, DC max.	0,7 A max
Reverse polarity protection	Yes (internal)
Input fuse	F2A/1500 V DC

Output Data

Output voltage	48 V DC (V adj. +/- 10 % VDC)
Output current	5 A max.
Output power	240 W
Power reduction	-2% / °C from 50 °C to 70 °C ambient temperature
Short-circuit protection	Yes (auto resume)
Max. residual ripple	200 mV pk-pk

General Data

Efficiency, max.	approx. 91 %
Max. power loss (nominal load)	approx. 24 W
Impulse withstand	2 kV line to line, 2 kV line to case
Electrical strength primary - secondary	4 kV AC hi-pot test, double insulation
Insulation resistance	>50 M Ω
Cooling	natural (free air)
IP code	IP20
Weight	1,3 kg
Material of enclosure	Metal plate (Aluminium+Fe/Zn)
Dimensions	70 x 155 x 175 mm (70 x 155x 192 mm including DIN35 rail and connectors)
Class of protection	II.

Pollution degree	2
RoHS comply	Yes

Connection data	**Input**	**Output**	**Signal**
Terminal blocks	PC 4/3-ST-7,62	PC 4/2-ST-7,62	PA356/3,81/4
Number of terminals	2(+)( )(-)	4(+,-)	3 (COM,NO,NC)
Cable length, max.	unrestricted	<3m	without restriction
Wire cross-section			
Solid min/max	0,5/6 mm^2	0,5/6 mm^2	0,5/1,5 mm^2
	20/10 AWG	20/10 AWG	20/15 AWG
Flexible min/max	0,5/4 mm^2	0,5/4 mm^2	0,5/1,5 mm^2
	20/10 AWG	20/10 AWG	20/15 AWG
Tightening torque, min/max	0,5/0,6 Nm	0,5/0,6 Nm	0,5/0,6 Nm

Signal indication

Device working	LED green + relay

Environmental conditions

Operating temperature	-20 °C to 70 °C
Relative humidity (non-condensing)	5 % to 90 % RH
Installation altitude	<3000 m above sea level
Environment	without the risk of explosion

The power supply is designed for continuous operation, overvoltage category in installation 3 according to EN 61010-1 and is resistant to short-circuit at the output.

TECHNICAL STANDARDS

Safety	EN 61204-7 ed. 2
EMC	EN 61000-6-2 ed. 2(conductor / conductor ± 2 kV, conductor / earth ±2 kV)
	EN 61000-6-3 ed. 2

Limited warranty **3 years**

PACKING AND STORAGE

Product is supplied bulk packaged, user's guide for each piece is included.
Storage temperature -25 to 80 °C, relative humidity < 90 % (not condensing). It is prohibited to expose product to a mechanical shocks and injurious gases.

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