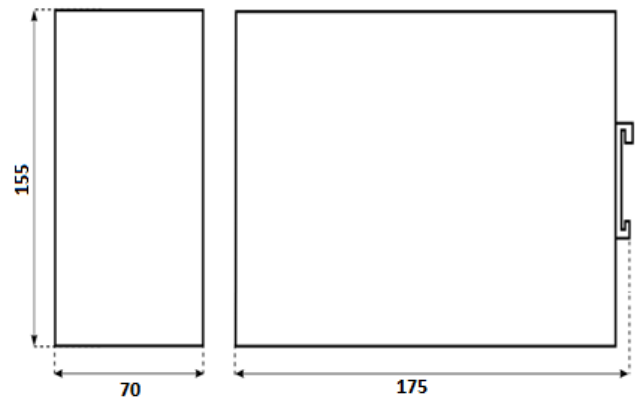


SS-100-240/DIN_1K5



DESCRIPTION

Switching power supply DC/DC SS-100-240/DIN_1K5 is designed to supply electronic devices of controlling and monitoring applications from traction voltage.

The power supply is placed in a metal box with a holder, allowing mounting on a DIN35 rail. The output circuits are galvanically separated from the input circuits.

TECHNICAL PARAMETERS

Input Data

Input voltage, DC	400-1500 V DC
Input current, DC max.	0,5 A max
Reverse polarity protection	Yes (internal)
Input fuse	Yes (F2 A/1500 V DC)

Output Data

Output voltage	27,5 V DC (V adj. 24-28 VDC)
Output current	5 A max.
Output power	140 W
Power reduction	-2 %/°C from 50 to 70 °C of operating temperature
Short-circuit protection	Yes (auto resume)
Max. residual ripple	150 mV pk-pk

General Data

Efficiency, max.	approx. 87 %
Max. power loss (nominal load)	approx. 20 W
Impulse withstand	2 kV line to line, 4 kV line to case
Burst	4 kV
Electrical strength	4 kV DC primary-secondary and primary-frame, 2 kV AC secondary-frame
Insulation resistance	>50 MΩ
Cooling	natural (free air)
IP code	IP20
Signaling	power supply failure - green LED and relay contact 60 V / 1 A

Weight	1,2 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	I.
Pollution degree	2

RoHS comply Yes

Connection data

Terminal blocks
Number of terminals
Cable length, max.
Wire cross-section
Solid min/max
Flexible min/max
Tightening torque, min/max

Input

PC 4/3-ST-7,62
2(+)(-)/ PE
unrestricted

Output

PC 4/2-ST-7,62
2(+/-)
<3m

Signal

PA356/3,81/4
3(COM,NO,NC)
without restriction

0,5/6 mm ²	0,5/6 mm ²	0,5/1,5 mm ²
0,5/4 mm ²	0,5/4 mm ²	0,5/1,5 mm ²
0,5/0,6 Nm	0,5/0,6 Nm	0,5/0,6 Nm

Signal indication

Device working LED green
connected relay contacts NO, COM, contact load 60 V DC/1A

Environmental conditions

Operating temperature -25 °C to 70 °C
Relative humidity (non-condensing) 10 % to 90 % RH
Installation altitude <2000 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 against conductor ± 2 kV, conductor against earth ± 4 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 75 °C, relative humidity < 80 % (not condensing). It is prohibited to expose product to a mechanical shocks and injurious gases.