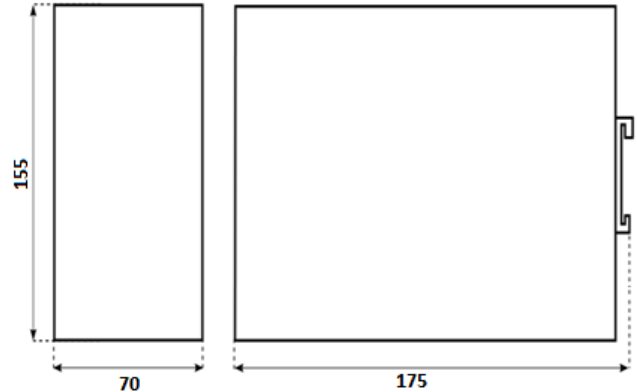


## SS-100-240/DIN\_1K5



### 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
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	1,2kg
Material of enclosure	Metal plate (Aluminium+Fe/Zn)



Dimensions 70 x 155 x 175 mm  
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**

TOP4GS3+screw M4  
2(+)(-)+ PE  
unrestricted  
  
0,5/6 mm<sup>2</sup>  
0,5/4 mm<sup>2</sup>  
0,5/0,6 Nm

**Output**

TOP4GS4  
4(++/--)  
<3m  
  
0,5/6 mm<sup>2</sup>  
0,5/4 mm<sup>2</sup>  
0,5/0,6 Nm

**Signalization**

PA356/3,81/4  
3(COM,NO,NC)  
without restriction  
  
0,5/1,5 mm<sup>2</sup>  
0,5/1,5 mm<sup>2</sup>  
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.