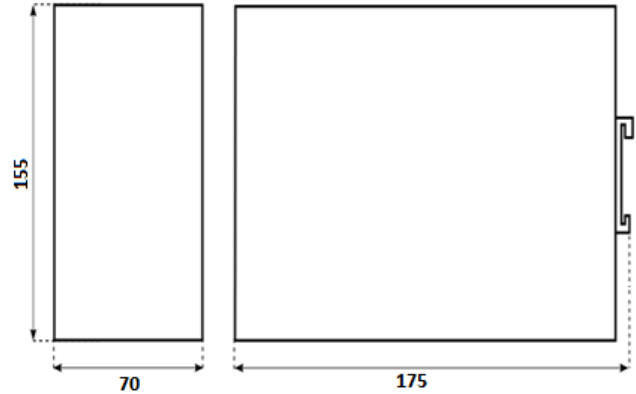


## SS-100-480/DIN\_1K5



### DESCRIPTION

Switching power supply DC/DC SS-100-480/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	300-1500 V DC
Input current, DC max.	0,7 A max
Reverse polarity protection	Yes (internal)
Input fuse	Yes

#### Output Data

Output voltage	48 V DC (V adj. +/- 5% VDC)
Output current	3 A max.
Output power	144 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. 88 %
Max. power loss (nominal load)	approx. 27 W
Impulse withstand	4 kV line to line, 4 kV line to case
Electrical strength primary - secondary	8 kV DC hi-pot test, double insulation
Insulation resistance	>50 MΩ
Cooling	natural (free air)
IP code	IP20

Weight	1,3kg
Material of enclosure	Metal plate (Aluminium+Fe/Zn)
Dimensions	70 x 155 x 175 mm
Class of protection	II.



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(+)(-)(-)

unrestricted

0,5/6 mm<sup>2</sup>

20/10 AWG

0,5/4 mm<sup>2</sup>

20/10 AWG

0,5/0,6 Nm

**Output**

TOP4GS4

4(++/--)

<3m

0,5/6 mm<sup>2</sup>

20/10 AWG

0,5/4 mm<sup>2</sup>

20/10 AWG

0,5/0,6 Nm

**Signal indication**

Device working LED green

**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 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 80 °C, relative humidity < 90 % (not condensing). It is prohibited to expose product to a mechanical shocks and injurious gases.