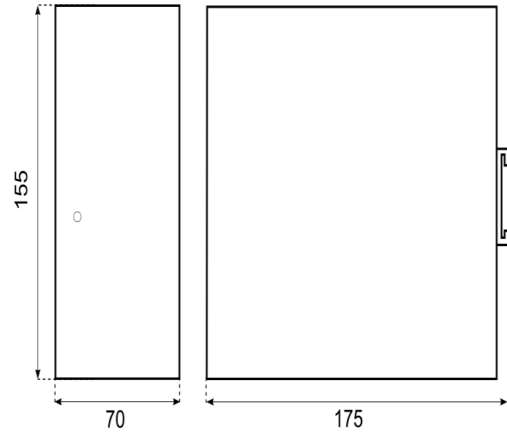


SS-100-240/DIN_1K0



DESCRIPTION

High input voltage DC/DC power supply SS-100-240/DIN_1K0 is designed to supply electronic equipment for control 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	400-1000 V DC (short-term overvoltage up to 1200 V DC)
Input current, DC max.	0,3 A max
Reverse polarity protection	Yes (internal)
Input fuse	Yes

Output Data

Output voltage	27,5 V DC (adjustable 24-28 V DC)
Output current	5 A max.
Output power	100W
Short-circuit protection	Yes (auto resume)
Max. residual ripple	200 mV pk-pk

General Data

Efficiency, max.	approx. 86 %
Max. power loss (nominal load)	approx. 17 W
Impulse withstand	2 kV line to line, 4 kV line to case
Burst	4kV
Isolation between primary and secondary	4 kV AC primary-secondary and primary-frame, 2kV 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

	Input	Output
Terminal blocks	TOP4GS3+screw M4	TOP4GS4
Number of terminals	2(+)(-) + PE	4(++/-)
Cable length, max.	unrestricted	<3m
Wire cross-section		
Solid min/max	0,5/6 mm ²	0,5/6 mm ²
Flexible min/max	0,5/4 mm ²	0,5/4 mm ²
Tightening torque, min/max	0,5/0,6 Nm	0,5/0,6 Nm

Signal indication

Device working LED green
Optocoupler output, 35V / 10 mA open collector (C-collector, E-emitter)

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 ground ±4 kV)
EN 61000-6-3 ed. 2

Limited warranty 5 years

PACKING AND STORAGE

Product is supplied bulk packaged, user's guide for each piece is included.
Storage temperature -25 to 70 °C, relative humidity < 80 % (not condensing). It is prohibited to expose product to a mechanical shocks and injurious gases.