

SS-10-240/DIN_1k5



DESCRIPTION

High input voltage DC/DC power supply unit. Safe separation of primary and secondary circuits, secondary circuits SELV type. Indication of operation by LED. DIN rail mount.

TECHNICAL PARAMETERS

Input data

Input voltage, DC	300-1500 V DC (for full load)
Input current, DC max.	40 mA
Reverse polarity protection	Yes
Input fuse	Yes (internal F0,5 A/1500 V DC)
Input voltage start ramp	any slope

Output data

Output voltage	24 V DC (+/-5 %) including line and load regulation
Output current	400 mA max.
Output power	10 W
Power derating	-2 %/°C from 50 °C to 70 °C ambient temperature.
Short-circuit protection	Yes (auto resume)
Max. residual ripple	<150 mV
Max. capacitive load	2200 uF

General data

Efficiency, max.	approx. 86 %
Max. power loss (nominal load)	approx. 4,7 W
Impulse withstand	7,5 kV line to line, 7,5 kV line to case
Isolation between primary and secondary	8 kV hi-pot test, double insulation
Cooling	natural (free air)
IP code	IP20
Weight	250 g
Material of enclosure	NORYL
Dimensions	90 x 88 x 62 mm
Class of protection	II.
Pollution degree	2
RoHS comply	Yes

Connection data

	Input	Output
Number of terminals	4 (++) (--)	6 (+++----)

Cable length, max.	unrestricted	<3 m
Wire cross-section		
Solid min/max	0,5/6 mm ² 20/10 AWG	0,5/6 mm ² 20/10 AWG
Flexible min/max	0,5/4 mm ² 20/12 AWG	0,5/4 mm ² 20/12 AWG
Tightening torque, min/max	0,5/0,6 Nm	0,5/0,6 Nm

Signal indication

Device working LED green

Environmental conditions

Operating temperature -35°C to 70 °C
 Relative humidity (non-condensing) 5 % to 90 %RH
 Installation altitude <3000 m above sea level

TECHNICAL STANDARDS

Safety	EN/IEC 62477-1:2012
EMC	EN 61000-4-2:2009, criterion B, EN 61000-4-3:2006, criterion A, EN 61000-4-4:2012, criterion B, input only EN 61000-4-5:2014, criterion B, input only, EN 61000-4-6:2014, criterion A, input only, EN 55011:2009, class A
Mechanical	Topple and vibration: tables 13 and 14 of EN 50178:1997

Limited warranty 3 years

PACKING AND STORAGE

Product is supplied bulk packaged, users guide for each piece is included.
 Storage temperature -40 to 80 °C, relative humidity < 90 % (not condensing). It is prohibited to expose product to a mechanical shocks and injurious gases.

