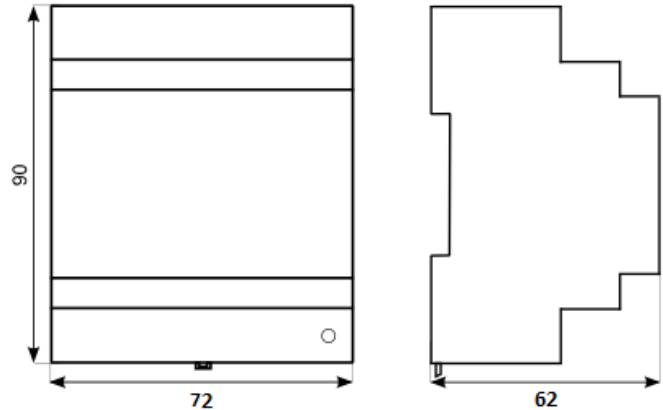


SS-30-240/DIN_BUF



DESCRIPTION

Module for backup of 24 V DC supply voltage for powering PLCs and other devices in switchboards. Provides backup of supply voltage and eliminates possible short-term power outages (UPS function) without the need to use a classic battery. Mounting on DIN35 rail. Operation indication 2x LED, signaling of power outage by short-circuiting the open collector of the optocoupler (indicating power outage for powered devices - PLC, PC motherboard, etc.). Backup based on the principle of super capacitors - maintenance-free operation with high reliability and very long service life.

TECHNICAL PARAMETERS

INPUT

Input voltage	24 V DC (23.5-30 V DC)
Input current max.	1.6 A max. (limited)

When the input drops below approximately 22 V DC, backup occurs.

When the input increases above approximately 23.5 V DC, the input is connected to the output and the backup capacitors begin charging.

OUTPUT

Output voltage	24 V DC (23.5-30 V DC)
Output current	1.25 A max.
Output power	30 W
Backup time (UPS function)	30 s (at an output current of 0.75 A and a drop in output voltage to 22 V DC) 15 s (at an output current of 1.25 A and a drop in output voltage to 22 V DC)
Back up capacity	approx. 02 As (amper second)
Residual ripple of output voltage	<150 mV (at an backup)

GENERAL DATA

Cooling	natural (free air)
IP code	IP20
Weight	120 g
Material of enclosure	NORYL
Dimensions	90 x 72 x 62 mm
Class of protection	III.
Pollution degree	2
RoHS comply	Yes

CONNECTION

	Input	Output	Indication
Number of terminals	2 (-,+)	4 (-,-,+,+)	2 (C,E)
Wire cross-section			
Solid min/max	0.5/2.5 mm ² 20/13 AWG	0.5/2.5 mm ² 20/13 AWG	0.5/2.5 mm ² 20/13 AWG
Flexible min/max	0.5/2.5 mm ² 20/13 AWG	0.5/2.5 mm ² 20/13 AWG	0.5/2.5 mm ² 20/13 AWG
Tightening torque, min/max	0.5/0.6 Nm	0.5/0.6 Nm	0.5/0.6 Nm

INDICATION

Output voltage present U _{out}	green LED
Backup Ready	yellow LED
Start of backup	short circuit on terminals C, E (0.5 sec.), open collector 35 V/10 mA max.)

OPERATING CONDITIONS

Operating temperature	-20 °C to 55 °C
Relative humidity (non-condensing)	10 % to 80 % RH
Altitude	<3000 m above sea level

TECHNICAL STANDARDS

Safety	EN 61204-7
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Limited warranty

3 years

PACKING AND STORAGE

The product is supplied bulk packaged, user's guide for each piece is included.

Storage temperature -25 to 70 °C, relative humidity < 90 % (not condensing). It is prohibited to expose the product to mechanical shocks and injurious gases.

Dependence of the backup time on the load (output current value):

