POWER SUPPLY MODULE

PRODUCT DESCRIPTION

The M1.POW.01 power supply module is designed to convert electric power from the public home/indoor electric grid to voltage-stabilized DC power necessary for stable operation of EUROPLC devices.

M1.POW.01 power supply module is implemented as switch mode`s power supply (chopper) with built-in galvanic isolation.

The front panel of this module has an operation LED indicator and input power connector. On the rear side there is EUROICC EBUS connector which transfers produced stabilized voltage over to other EUROPLC modules.

Module is compliant with: EN 61131-1:2003, EN 61131-2:2003.

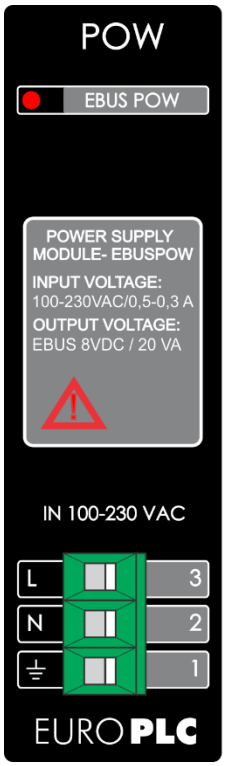
TECHNICAL DATA

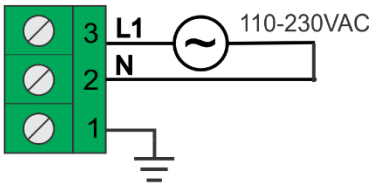
POWER SUPPLY CHARACTERISTICS	
Nominal input voltage	110/230 VAC
Input voltage range	95-265 VAC; 50-60 Hz
Input current	10 VAC/0,5 A; 230 VAC/0,3 A
Output voltage	7.8 VDC ±1 %
Output current	2,5 A max
Protection (built-in)	- short-circuit (non-latching) - over current protection - temperature protection - input over voltage - soft start
Peak inrush current	1 A
ADDITIONAL SPECIFICATIONS	
Operating temperature	0.. +55 °C
Storage temperature	-30.. +80 °C
Operating humidity	Max 95% r.H., no condensation
Protection degree	IP20
Dimensions	108x86x27 mm
Weight	120 g

PRODUCT FEATURES

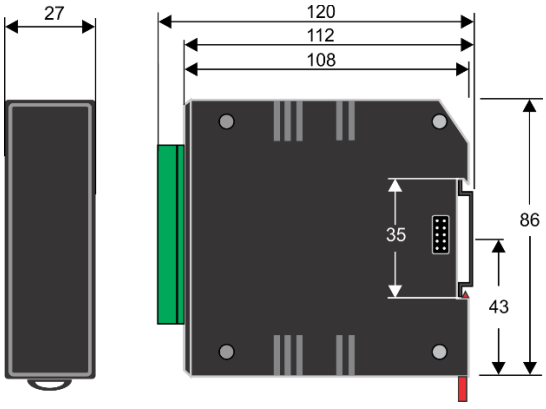
- » Switch mode power supply
- » Built-in galvanic isolation
- » LED operation indicator
- » Built-in short circuit protection
- » Excessive current and temperature protection
- » Soft start

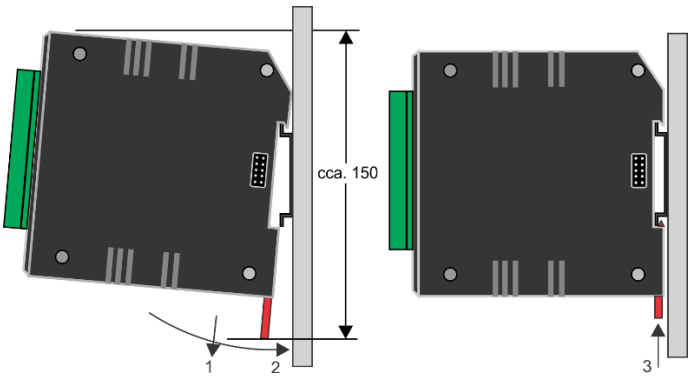
WIRING AND RESOURCES





DIMENSIONS AND MOUNTING





SAFETY NOTES

- The device is not allowed to be used outside the specified field of application, especially in aircraft or in any other airborne means of transport.
- It may only be installed by suitably trained personnel.
- Any legal regulations or regulations issued by authorities must be observed during assembly.
- The device may only be opened at the manufacturer's site. It does not contain any parts that can be replaced or repaired by the user.
- The device contains electrical and electronic components and is not allowed to be disposed of as household refuse. All locally valid regulations and requirements must be observed.