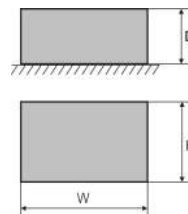
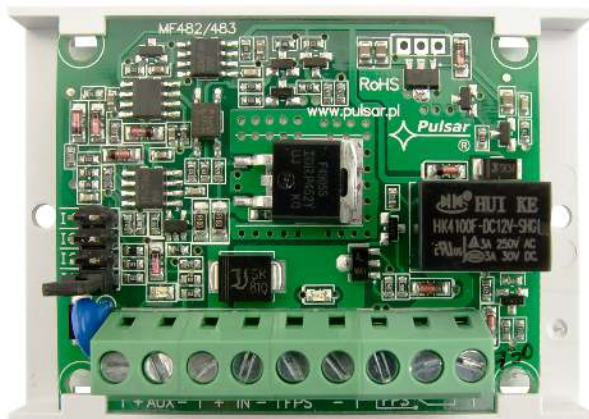


CODE: **AWZ 527** v.1.0/1
NAME: **MBE1 Electronic fuse module**

EN**



Features:

- 10 ÷ 30V DC power supply
- 0,3A, 0,5A, 1A or 2A current limit - jumper selectable
- FPS technical output indicating overload and short circuit, relay and OC type
- Optical indication of supply voltage/failure
- Warranty - 2 years from the production date

DESCRIPTION

The electronic fuse module is used to protect devices against short circuit or overload. The 0,3A, 0,5A, 1A or 2A current limit can be set with the jumper. The system is characterized by a very high operating speed, unlike in the case of polymer fuses and melting fuses. It is characterized by a two-step operation: once an overload or short circuit is detected, the current is limited to the value set by jumpers. If a short circuit or overload continues, the device is switched off for a few hundred milliseconds and then re-activated. The system tests whether a short circuit in the output continues. If a short circuit has been eliminated, the system returns to normal operation. Short circuit or overload is undetectable from the supply side - current consumption from the mains never exceeds the set current limit. A short circuit or overload is signaled by the technical output and a LED.

SPECIFICATIONS

Supply voltage	10÷30V DC
Current consumption	35÷45 mA (10÷30V) (±5%)
Current limit	0,3A, 0,5A, 1A or 2A (±5%)
Technical output indicating failure	- relay type: 1A@ 30VDC/50VAC, CAUTION! The set of contacts indicates potential-free status which corresponds to power supply failure - OC: 50mA max. normal state: L (0V) state, failure: hi-Z state
Optical indication	LEDs: - green: supply voltage indication, - red: failure (short-circuit or overload)
Operating conditions	II environmental class, -10°C ÷ 40°C, relative humidity 20%...90% no condensation
Dimensions	76 x 54 x 22 (WxHxD) [mm]
Mounting	mounting tape or mounting screws x2 (Ø3mm holes)
Connectors	Φ0,51±2,05 mm (AWG 24-12)
Net/gross weight	0,040 /0,08 [kg]
Declarations, warranty	CE, 2 year from the production date