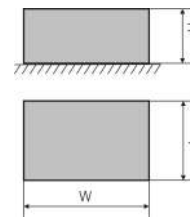
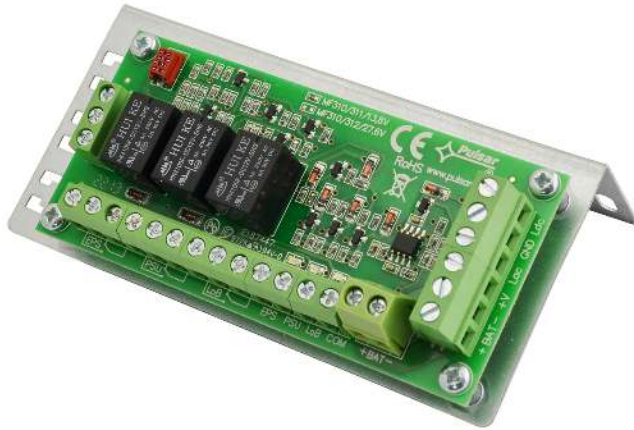


CODE: **MPSB12** v.1.1/IV
TYPE: **MPSB12 automation module 13,8VDC**

EN*



Features:

- battery status control
- works with PSBxx, HPSBxx 13,8V power supply units
- LED indication
- EPS technical output indicating AC power collapse – OC and relay type
- PSU technical output indicating power supply module's failure – OC and relay type
- LoB technical output indicating low battery voltage – OC and relay type
- warranty – 2 year from the production date

DESCRIPTION

The MPSB12 automation module is intended for indicating the operating status of buffer power supplies, PSB 13,8V type. The PCB board features LEDs that indicate PSU operating status (presence of AC voltage, presence of DC voltage, battery voltage). The module is also equipped with technical outputs of OC and relay type: AC power loss, PSU failure, low battery voltage.

MPSB series power supply module

Automation module PSB13,8V DC



SPECIFICATIONS:	
Supply voltage	13,8V DC
Current consumption	60mA max.
Voltage of low battery indication	$U < 11,5V \pm 3\%$
Technical outputs: - EPS; output indicating AC power failure - PSU; output indicating DC absence/PSU failure - LoB output indicating low battery voltage	- relay type: 1A@ 30VDC/50VAC, time lag: approx. 10s. - OC type, 50mA max., normal status: L (0V) level, failure: hi-Z level, time lag: 10s. - relay type: 1A@ 30VDC/50VAC - OC type, 50mA max., normal status: L (0V) level, failure: hi-Z level - relay type: 1A@ 30VDC/50VAC - OC type, 50mA max., normal status: ($U_{BAT} > 11,5V$): L (0V), failure: ($U_{BAT} < 11,5V$): hi-Z level Module unit does not feature a battery detection function. In the case of no battery or non battery connected, the output is in the normal mode.
LED indication: - presence of AC power - presence of DC voltage at the PSU output - battery voltage level	- red LED Under normal status (AC supply) the diode is permanently illuminated. The absence of AC supply is indicated by the AC diode going out. Caution: the LED indicates absence of AC power if the loss lasts minimum 10s. - green LED indicates DC power at the PSU output. Under normal status the diode is permanently illuminated. In case of a short circuit or an overload, the diode is off. - green LED indicates battery voltage level. Under normal status ($U_{BAT} > 11,5V$) the diode is permanently illuminated. In case of decrease of battery voltage ($U_{BAT} < 11,5V$) the diode is off.
Operating conditions	temperature: $-10^{\circ}C + 40^{\circ}C$, relative humidity : 20%...90%, without condensation
Dimensions	127 x 56 x 58 (LxWxH) [mm] (+/-2)
Net/gross weight	0,11/0,15 kg
Connectors	$\Phi 0,41 \div 1,63$ (AWG 26-14)

An example of connecting the module to the PSB 13,8V series PSU.

