

Features

- 2-pole surge protection barrier
- Type 2 acc. to EN 61643-11
- For TN systems (230 V AC)
- Pre-wired unit
- Operating state and fault indication of every protected line
- Fault indication output
- DIN rail mountable

Function

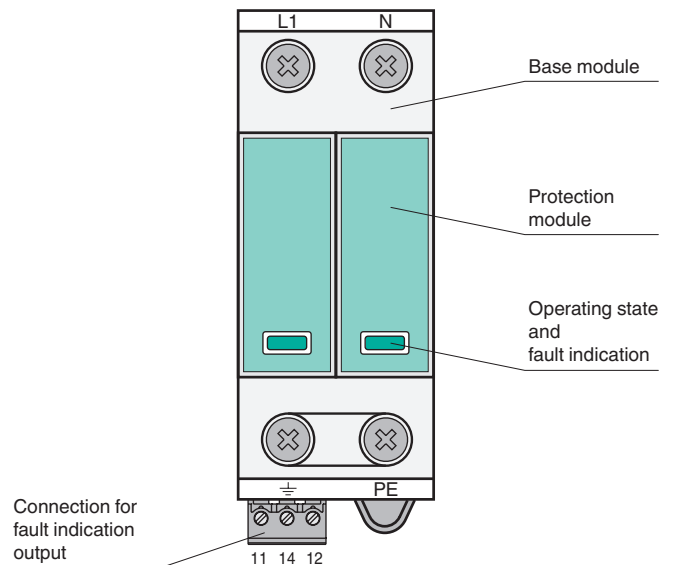
This device is a modular surge protection barrier (type 2 acc. to EN 61643-11) with error message output (floating changeover contact).

The complete device consists of a base module and plug-in protection modules and is ready for installation.

Every protection module is locked in the base module and can be changed without tools via release buttons.

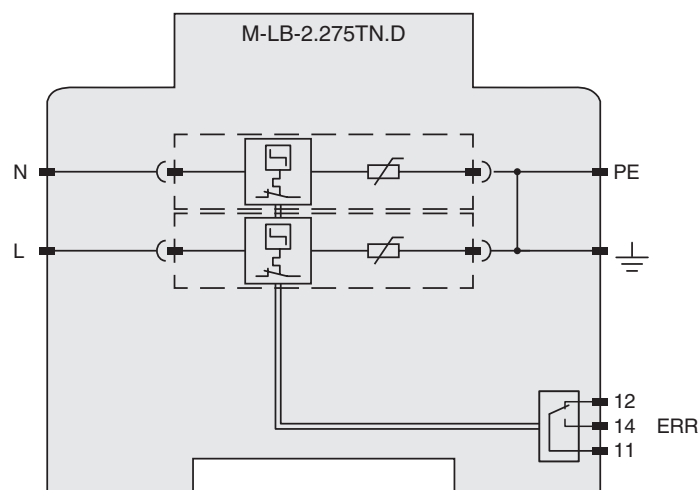
Assembly

Front view



CE

Connection



General specifications		
Device type		type 2 (SPD) acc. to EN 61643-11 class II (SPD) acc. to IEC 61643-1
Suitable components		protection module M-LB-1.275.M
Indicators/operating means		
Display elements		operating state (green) fault indication (red)
Electrical specifications		
Nominal voltage	U_n	230 V AC
Continuous voltage	U_c	≤ 275 V AC
Temporary overvoltage	U_t	335 V / 5 s (TOV withstand)
Surge Current (8/20)	I_n	20 kA
Max. surge current (8/20)	I_{max}	40 kA
Voltage Protection Level	U_p	≤ 1.25 kV ≤ 1 kV at 5 kA
Reaction time	t_A	≤ 25 ns
Short-circuit-proof		50 kA _{eff}
Overcurrent protection		max. 125 A gL/gG , mains-side
Error message output		
Connection		terminals 11, 12, 14
Output		potential free changeover contact
Switch power		AC: 250 V / 0.5 A DC: 250 V/0.1 A; 125 V/0.2 A; 75 V/0.5 A; 24 V/0.5 A
Conformity		
Protection degree		IEC 60529
Shock resistance		EN 60068-2
Vibration resistance		EN 60068-2
Ambient conditions		
Ambient temperature		-40 ... 80 °C (-40 ... 176 °F)
Mechanical specifications		
Core cross-section		- min. 1.5 mm ² solid/flexible - max. 35 mm ² stranded/25 mm ² flexible - max. 1.5 mm ² solid/flexible (for remote signalling contact)
Protection degree		IP20
Material		
Housing		thermoplastic, color grey , UL94 V-0
Mass		approx. 240 g
Dimensions		36 x 90 x 73 mm (1.4 x 3.6 x 2.9 in) (2 TE acc. to DIN 43880)
Mounting		on 35 mm DIN mounting rail acc. to DIN EN 60715
General information		
Supplementary information		Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-fuchs.com .