

Compact Multi-pole SPD
MPE Mini & MPE Mini LED
Class III • Type 3



Location of Use: Cable Ducts & Wiring Outlets
 Network Systems: TN-S
 Mode of Protection: L-PE, L-N, N-PE
 IEC/EN Category: Class III / Type 3
 Safety: Buzzer, LED
 Housing: Compact Design
 Compliance: IEC 61643-11:2011
 EN 61643-11:2012

Technical Data

		MPE-Mini	MPE-Mini LED
IEC Electrical			
Nominal AC Voltage (50/60 Hz)	U_o		230V
Maximum Continuous Operating Voltage (AC)	U_c		275V
Open Circuit Voltage of the Combination Wave Generator (1.2/50 μ s)	U_{oc}		6kV
	(L+N-PE) $U_{oc\ total}$		10kV
Short-Circuit Current of the Combination Wave Generator (8/20 μ s)	I_{cw}		3kA
Voltage Protection Level	(L-N) U_p		1.5kV
	(L-PE)/(N-PE) U_p		1.7kV
Response Time	t_A		< 100ns
Overcurrent Protection (max)			MCB/B 16A
Short-Circuit Current Rating	I_{SCCR}		1 kA
TOV Withstand 5s	U_T		337 V
Number of Ports			1
Mechanical & Environmental			
Temperature Range	T_a		-40 °F to +185 °F [-40 °C to +85 °C]
Permissible Humidity	RH		5%...95%
Conductor Cross Section			17 AWG (Stranded) / 1.0mm ² (Stranded)
Mounting			Cable Ducts
Degree of Protection			IP 20 (built-in)
Housing Material			Thermoplastic: Extinguishing Degree UL 94 V-0
Thermal Protection			Yes
Fault Indication		Buzzer	LED
Order Information			
Order Code		MPE-Mini	MPE-Mini LED
MPE-Mini		121 280	
MPE-Mini LED			121 282

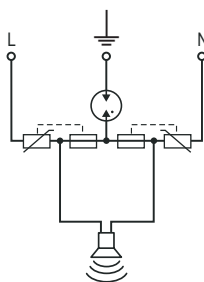
MPE Mini

Internal Configuration

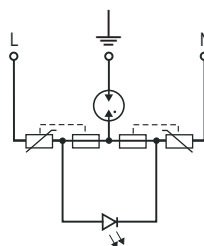
Legend

- L Line Conductor Terminal
- N Neutral Conductor Terminal
- ⏏ PE/G Conductor Terminal

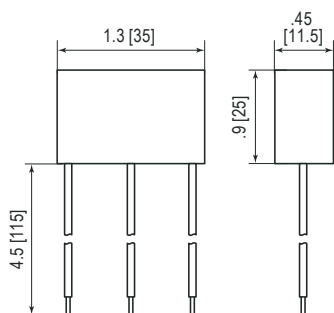
MPE-Mini



MPE-Mini LED



Complete Unit



Complete Unit Dimensions & Packaging

MPE-Mini & MPE-Mini LED

Weight	pounds [grams]	0.114 [52]
Packaging Dimensions (H x W x L)		12 x 4.5 x 3.2" [305 x 116 x 83 mm]
Standard Order Quantity		30 Units

inches
[mm]

Information contained in this document is subject to change at any time without notice.

