

# 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+A11:2018

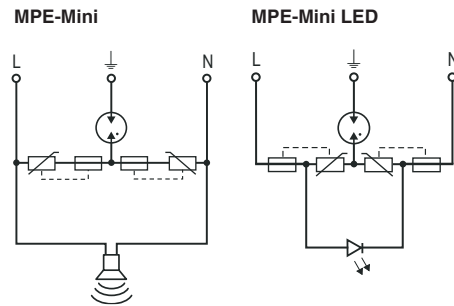
## Technical Data

	MPE-Mini	MPE-Mini LED
<b>IEC Electrical</b>		
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 $\mu$ s)	$U_{oc}$	6kV
	(L + N - PE) $U_{oc\ total}$	10kV
Short-Circuit Current of the Combination Wave Generator (8/20 $\mu$ s)	$I_{cw}$	3kA
Voltage Protection Level	(L - N) $U_p$	1.5kV
	(L - PE)/(N - PE) $U_p$	1.7kV
Response Time	$t_A$	< 100 ns
Overcurrent Protection (max)		MCB/B 16 A
Short-Circuit Current Rating	$I_{scCR}$	1 kA
TOV Withstand 5s	$U_T$	337 V
Number of Ports		1
<b>Additional Electrical Parameters</b> (Tests performed within Raycap testing laboratory only)		
Overcurrent Protection (min)		MCB/B 16 A
<b>Mechanical &amp; Environmental</b>		
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) / 1.0 mm <sup>2</sup> (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

## Internal Configuration

### Legend

L Line Conductor  
 N Neutral Conductor  
 ⊥ PE/G Conductor

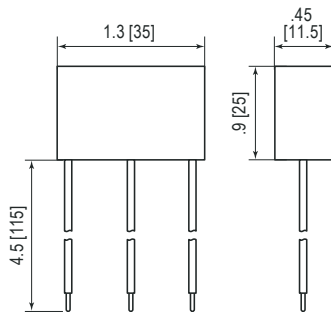


### Order Information

Order Code	MPE-Mini	MPE-Mini LED
MPE-Mini	121 280	
MPE-Mini LED		121 282

## Dimensions & Packaging

inches [mm]



### Complete Unit

#### 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