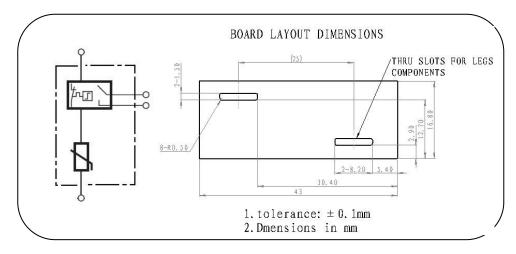


MODULAR THERMALLY PROTECTED MOV







Basic circuit diagram

PCB layout dimensions

Technical Features

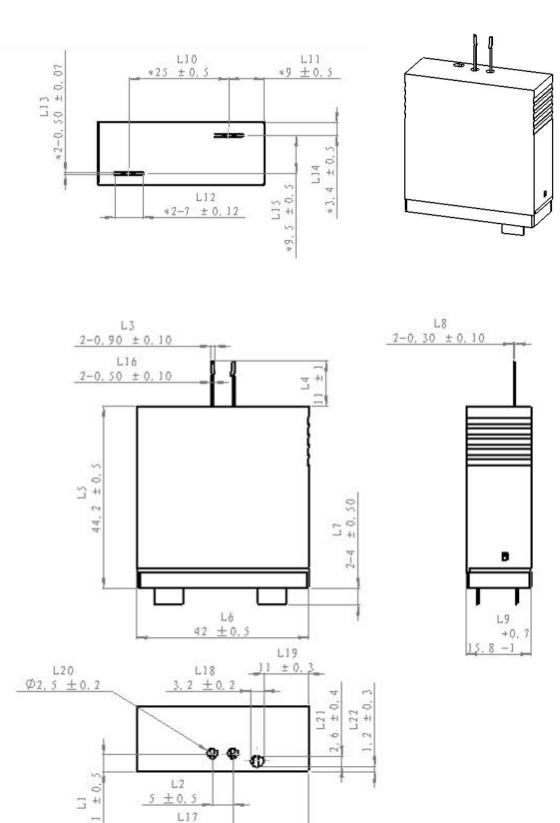
Type 1ca PCB mounting SPD with thermally protected MOV designed to open in the event of overheating due to an abnormal over-voltage or temporary over voltage (TOV) and will interrupt any abnormal current that may be encountered.

- ➤ UL1449-4th approved UL for Type1CA. CSA for Type 2CA, UL file No.:E319871
- Quick thermal response and perfect circuit cutoff function due to special thermal disconnector design with Global patented arc extinguishing device (Patent No.US20110170217A1).
- Wide operating temperature range and high reliability.
- > High surge current capability and low leakage current.
- Floating remote signaling contact (50mA 12Vdc) for fault indication
- > SCCR 200KArms without external fuse or CB
- Surge current up to 75kA (I_{max}, 8/20μs)
- Meeting UL 1449 4th & IEC61643-11

Part No.	HSMTMOV150	HSMTMOV275A	HSMTMOV320
In accordance with	ANSI/UL1449-4th; IEC61643-11:2011		
Category	UL for Type 1CA		
Max. continuous operating voltage (AC/DC) MCOV	150 /200	275 /350	320 /410
Nominal discharge current(8/20) In x 15 times	20kA		
Max. discharge current(8/20) Imax x 1 time	75kA		
Voltage protection level (VPR)	<0.6kV	<0.8kV	<1.0kV
Response time	≤25 ns		
Operating temperature range	- 40°C ~ + 85°C		
Enclosure material	thermoplastic; extinguishing degree UL94 V-0		
Insulation Resistance	≥10 MOhm		
Electric Strength	≥2500V (AC)		
Disconnector instructions	viewed through top hole of plastic housing		
Remote alarm contact	floating contact (50mA 12Vdc) for fault indication		
SCCR	200kA		
Approvals, Certifications	UL, CE		



Dimension drawing



18.5 ± 0.5