



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 disconnecter 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 200KA Arms 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)		
Disconnecter 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

