



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.

- UL recognized Type 1ca SPD (UL1449 4th), Type 2ca SPD (CSA C22.2)
- High surge current discharge capacity up to 75kA 8/20 μs
- PCB mounting design, compact size to save installation space
- Quick thermal response and perfect circuit cutoff function due to special thermal disconnecter design with Global patented arc extinguishing device (Patent No.US20110170217A1).
- Floating remote signaling contact (50mA 12Vdc) for fault indication
- Wide operating temperature range and high reliability.
- SCCR 200KArms without external fuse or CB

Part No.		HSMTMOV150	HSMTMOV275A	HSMTMOV320
Compliance		ANSI/UL 1449-4th; EN/IEC 61643-11		
Category (UL/CSA)		Type 1ca per UL 1449 4th Type 2ca per CSA C22.2		
Max. continuous operating voltage (AC/DC)	MCOV	150V/200V	275V/350V	320V/410V
Nominal discharge current(8/20)	In	20kA		
Max. discharge current(8/20)	Imax	75kA		
Voltage protection level	VPR	<0.6kV	<0.8kV	<1.0kV
Short Circuit Current Rating per UL 1449	SCCR	200kArms		
Response time	t _A	≤25 ns		
Insulation Resistance		≥10 MOhm		
Electric Strength		≥2500V		
Environment		Temperature Range: - 40° C ~ +85° C; Humidity: ≤95%; Altitude: ≤2000m		
Enclosure material		thermoplastic; extinguishing degree UL94 V-0		
Disconnecter instructions		viewed through top hole of plastic housing		
Remote alarm contact		floating contact (50mA 12Vdc) for fault indication		
Failure Indication /Status		RED- Failure, viewed through top hole of plastic housing		
Mounting		PCB		
Approvals, Certifications		UL, CE		

Dimension drawing

