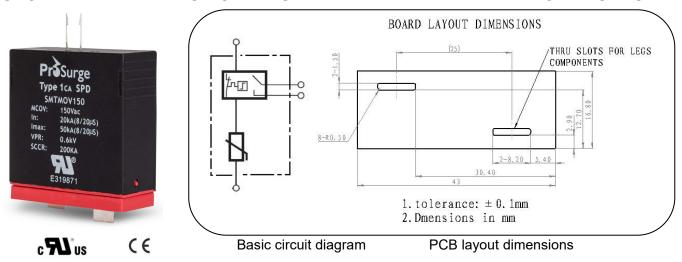


MODULAR THERMALLY PROTECTED MOV

SMTMOV...C



Type 2CA 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 2ca surge suppressor according to UL 1449 4th Ed. Rev: 2016-03-17 and CSA Electrical Certification Notice 516/CSA C22.2 No. 8 13, compliant with IEC/EN 61643-1/11 standard. UL file No.:E319871
- ➤ Quick thermal response and perfect circuit cutoff function due to special thermal disconnector design with 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
- > Type 1CA SPD, application in the AC mains, service entrance, and heavy industrial etc.
- > Short circuit current rating (SCCR) 200kArms

Part No.		SMTMOV150C	SMTMOV180C	SMTMOV275C A	SMTMOV320C	SMTMOV420C	SMTMOV550C	SMTMOV690C
Compliance		ANSI/UL 1449-4 ; EN/IEC 61643-11						
Category		Type 2CA						
Max. continuous operating voltage (AC/DC)	MCOV	150V/200V	180V/230V	275V/350V	320V/410V	420V/560V	550V/745V	690V/910V
Nominal discharge current (8/20)	In	20kA						
Max. discharge current (8/20)	Imax	50kA				40kA		
Voltage protection level	VPR	<0.6kV	<0.6kV	<0.8kV	<1.0kV	<1.5kV	<1.5kV	<2.0kV
Response time	t _A	≤25 ns						
Short Circuit Current Rating	SCCR	200kA						
Electric Strength		≥2500V						
Insulation Resistance		≥10 MOhm						
Enclosure material		thermoplastic; extinguishing degree UL94 V-0						
Operating temperature range		Temperature Range: - 40° C ~ +85° C; Humidity: ≤95%; Altitude: ≤2000m						
Disconnector 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		cULus, CE						



Dimension drawing

