



**Technical Features**

Type 2 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.

- Ø UL1449 3<sup>rd</sup> approved UL for Type 1 or 2 and CSA for Type 2. UL file No.:E319871
- Ø Meeting IEC61643-11 standard
- Ø Quick thermal response and perfect circuit cutoff function due to special thermal disconnecter design with arc extinguishing device (Patent No.US20110170217A1).
- Ø Wide operating temperature range and high reliability.
- Ø High surge current capability and low leakage current.
- Ø floating remote signaling contact (50mA 12Vdc) for fault indication
- Ø Type 2 SPD, application in the AC mains, service entrance, and heavy industrial etc.
- Ø Short circuit current rating (SCCR) 200kArms

Part No.	SMTMOV150	SMTMOV180	SMTMOV275	SMTMOV320	SMTMOV420	SMTMOV550	SMTMOV690
In accordance with	UL1449 3 <sup>rd</sup> ; IEC61643-11:2011						
Category	UL for Type 1 or 2 and CSA for Type 2						
Varistor Voltage@1mA V1mA (V)	228~270	250~310	409~475	485~563	646~748	820~1000	1000~1250
Max. continuous operating voltage (AC/DC) MVOV	150 /200	180 /230	275 /350	320 /410	420 /560	550 /745	690 /910
Nominal discharge current(8/20) In x 15 times	20kA						
Max. discharge current(8/20) I <sub>max</sub> x 1 time	50kA						40kA
Voltage protection level (VPR)	<0.6kV	<0.6kV	<0.8kV	<1.0kV	<1.5kV	<1.5kV	<2.0kV
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

