



# TPM-50 SERIES MOV

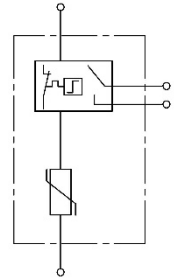
## THERMALLY PROTECTED MOV

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Surge suppressor with thermal protection designed to open in event of overheating due to the abnormal over-voltage, limited current conditions.

#### FEATURES:

- Quick thermal response and perfect circuit cutoff function due to special thermal disconnecter design with arc extinguishing device.
- Wide operating temperature range and high reliability.
- High surge current capability.
- Low leakage current.
- Floating remote signaling contact for fault alarm.
- Application in the AC Mains, service entrance, and heavy industrial etc.
- Medium current 100A, 500A, 1000A
- SCCR 200kA rms
- UL1449 4<sup>th</sup> edition approved for Type 1 or 2 and CSA for Type2.



### ELECTRICAL RATINGS & SPECIFICATIONS

Type	Continuous		Surge Current		Varistor Voltage @ 1mA	VPR
	V <sub>RMS</sub> (V)	V <sub>DC</sub> (V)	x 1 time @ 8/20	In 15 times @ 8/20	V1mA(V)	
TPM-50-150	150	200	50kA	20kA	228-270	600V
TPM-50-180	180	230	50kA	20kA	250-310	600V
TPM-50-275	275	350	50kA	20kA	409-475	800V
TPM-50-320	320	410	50kA	20kA	485-563	1000V
TPM-50-420	420	560	50kA	20kA	646-748	1500V
TPM-50-550	550	745	50kA	20kA	820-1000	1500V
TPM-40-690	690	910	40kA	20kA	1000-1250	2000V

Operating Temperature	-40° C ~ +85° C
Electric Strength	≥ 2500V (AC)
Insulation Resistance	≥ 10 MOhm
Response Time	≤ 25 nS



## CASE OUTLINE AND DIMENSIONS

