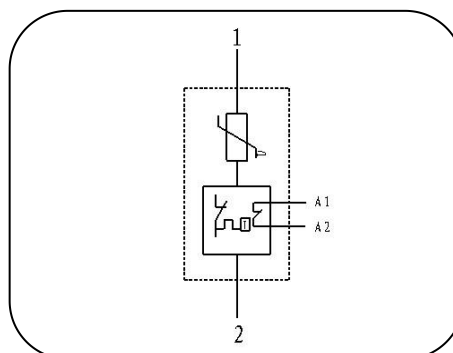


POWER SUPPLY SYSTEM

MODULAR THERMALLY PROTECTED MOV

20PTMOV



Circuit diagram

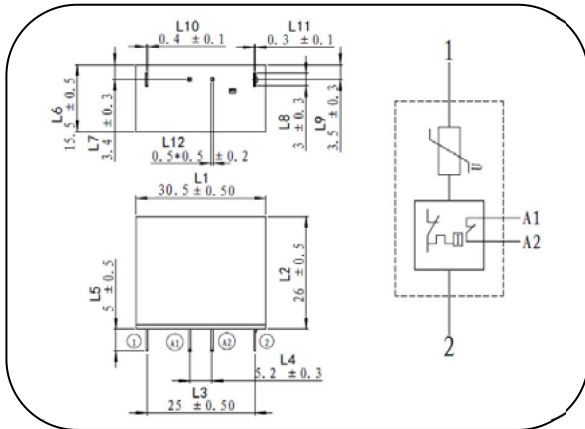
UL1449 4th Type 1ca surge suppressor with thermal protection designed to open in the event of overheating due to an abnormal over-voltage or temporary over voltage (TOV) and will interrupt any abnormal current that may be encountered.

- UL1449 4th approved for Type1CA, UL File No. E319871, CSA for Type 2CA, compliant with IEC/EN 61643-1/11 standard
- Compact size to save installation space
- Quick thermal response and perfect circuit cutoff function due to special thermal disconnecter design with internal arc extinguishing device(Patented)
- Low leakage current
- Floating remote signaling contact (50mA, 12Vdc) for fault indication
- Application in the AC mains, service entrance, and heavy industrial etc
- SCCR up to 200kArms without external fuse or CB
- Wide operating temperature range and high reliability

Type	20PTMOVxxx/S			
	150	180	320	
In accordance with	ANSI/UL1449-4th; IEC61643-11:2012			
Category	Type 1ca per UL 1449 4th Type 2ca per CSA			
Thermal Disconnecter (Patented)	Internal thermal disconnecter & arc extinguishing			
Max. continuous operating voltage (AC/DC)	150 /200	180 /230	320 /410	
Nominal discharge current (8/20) In x 15 times	20kA			
Max. discharge current (8/20) Imax x 1 time	25kA			
Voltage protection level	VPR	<0.6kV	<0.8kV	<1.0kV
Response time	≤25 ns			
Operating temperature range	- 40°C ~ + 80°C			
Enclosure material	thermoplastic; extinguishing degree UL94 V-0			
Insulation Resistance	≥10 MOhm			
Electric Strength	≥2500V (AC)			
Remote alarm contact	switching isolation			
SCCR	200kA			
Approvals, Certifications	UL1449 4 th E319871, CE			

POWER SUPPLY SYSTEM

Dimension drawing (mm)



PCB Layout Dimensions: (mm)

