

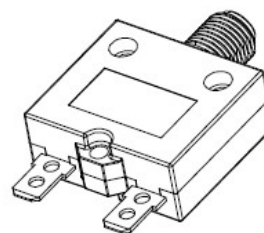
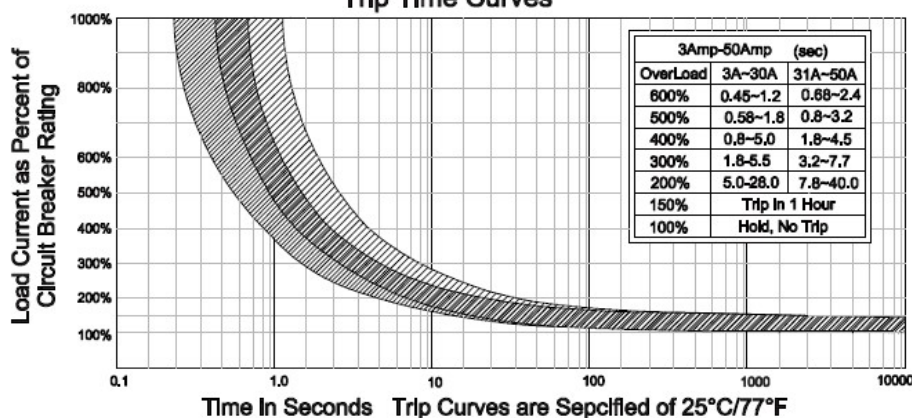
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PROTEZIONI TERMICHE SERIE SM7xxx

Rating: 3~50A 125/250Vac 32Vdc
 Interruption Capacity: 1000AmpX125Vac 200AmpX250Vac
 Dielectric Strength: 1500Vac X 1Minute
 Resettable Overload Capacity: 6 Time Rated Current
 Voltage Drop: Less Than 0.25V
 Insulation Resistance: >500 M ohm
 Reset Time: Within 60sec
 Temperature Rise at Terminal Block: Less than 65°C at 100% of rated current applied continuously
 Contact Endurance: 125Vac X150% of rated current >500 cycles
 Approvals: CUL 3A~50A 125/250Vac
 TUV 3A~30A 125/250Vac 32Vdc
 CCC 3A~30A 125/250Vac
 Complies with Rohs
 With UL 1500 Ignition Protected

**Trip Time Curves**

Max. Internal Resistance	
Amp rating	Max resistance
3-5 A	<0.225 Ohms
6-8 A	<0.175 Ohms
9-11 A	<0.125 Ohms
12-13 A	<0.050 Ohms
14-17 A	<0.040 Ohms
18-24 A	<0.030 Ohms
25-35 A	<0.020 Ohms
36-50 A	<0.010 Ohms

Ambient temperature	-10°C	0°C	10°C	25°C	35°C	40°C	50°C	60°C
Multiplication factor	*1.30	*1.20	*1.10	1.00	*0.94	*0.85	*0.73	*0.68

The time/current characteristic curve depends on the ambient temperature prevailing. In order to eliminate nuisance tripping, please multiply the current breaker current ratings by the derating factor shown below.

Example :

Normal Continuous Current = 10A
 Ambient Temperature = 45°C
 Multiplication Factor = 0.85
 Recommended Rating = 10A/0.85=11.8A
 Select the Nearest Rating = 12A

