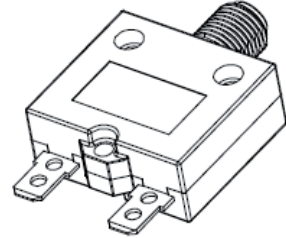


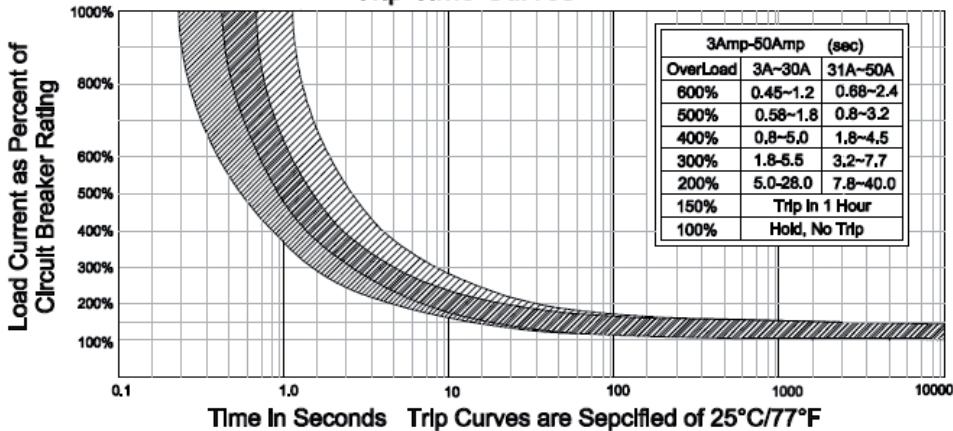
PROTEZIONI TERMICHE

SERIE SM70xx

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

