



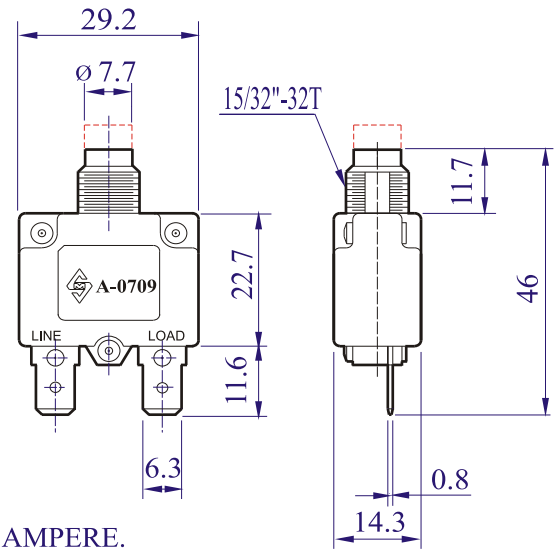
Sang Mao

SERIES A-0709HI

Circuit Breaker | Overload Protector | No-Fuse Breaker



DIMENSION IN mm



DERATING FACTOR		
TEMP	3A ~ 4A	5A ~ 20A
60°C	--	× 0.50
55°C	--	× 0.60
50°C	--	× 0.70
45°C	× 0.45	× 0.75
40°C	× 0.55	× 0.80
35°C	× 0.70	× 0.86
30°C	× 0.80	× 0.92
25°C	× 1.00	× 1.00
20°C	× 1.10	× 1.06
15°C	× 1.20	× 1.09
10°C	× 1.35	× 1.20

(FOR REFERENCE ONLY)

MAX. INTERNAL RESISTANCE	
3.0A- 4.0A	0.120 Ω
5.0A- 6.0A	0.100 Ω
7.0A- 8.0A	0.035 Ω
9.0A-10.0A	0.020 Ω
11.0A-12.0A	0.015 Ω
13.0A-14.0A	0.010 Ω
15.0A-16.0A	0.008 Ω
17.0A-20.0A	0.004 Ω

SPECIFICATIONS:

- * STANDARD RATING: **3-20 AMPERE**.
- * INPUT POWER: **24 VDC / 125 VAC / 250 VAC**
- * DIELECTRIC STRENGTH : **1500 VAC / 1 MINUTE**
- * INTERRUPT CAPACITY : **125VAC × 1000A, 250VAC × 1000A.**
- * RATED CONDITIONAL SHORT-CIRCUIT CURRENT :
IEC-60934 " PC.1 1000A "WITH " FUSE 16 A gL/g G "
- * INSULATION RESISTANCE : **> 100 MΩ**
- * CALIBRATION :
25°C - **105% OF RATED CURRENT** - CONTINUOUSLY CARRIED.
25°C - BETWEEN **106% TO 134%** - MAY TRIP OR NOT.
25°C - **135% OF RATED CURRENT** - TRIP **WITHIN 1 HOUR.**
150% OF 3 ~ 4A-TRIP WITHIN 1 HOUR.
25°C - **200% OF RATED CURRENT** - TRIP **WITHIN 1 MINUTE**
- * CONTACT ENDURANCE: **125VAC × 150% OF RATED CURRENT** - **500 CYCLES.**
- * **IEC - 60934** METHOD OF OPERATION : "**R**" = **AUTOMATIC INTERRUPTION AND NON-AUTOMATIC (MANUAL) RESETTING .**
- * **IEC - 60934** METHOD OF TRIPPING : "**TO**" = **THERMAL .**
- * DEGREE OF TRIP - FREE BEHAVIOUR : "**CYCLING TRIP - FREE**"
- * RESET: **MANUAL PUSH RESET**

APPROVALS :

U L APPROVAL : **4 - 15A** 125VAC (250VAC PENDING)

CSA APPROVAL : **3 - 15A** 120VAC,60Hz TC2, OL0, SC:C1, 1kA, 125VAC

TRIP TIME CURVE (125VAC / 250VAC)

