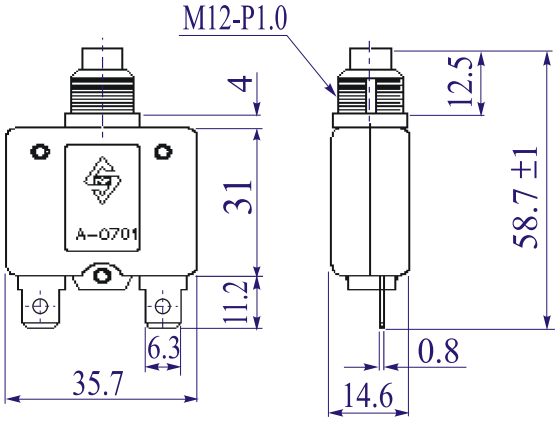
SERIES A-0701HM

Circuit Breaker | Overload Protector | No-Fuse Breaker

Sang Mao



DIMENSION IN mm

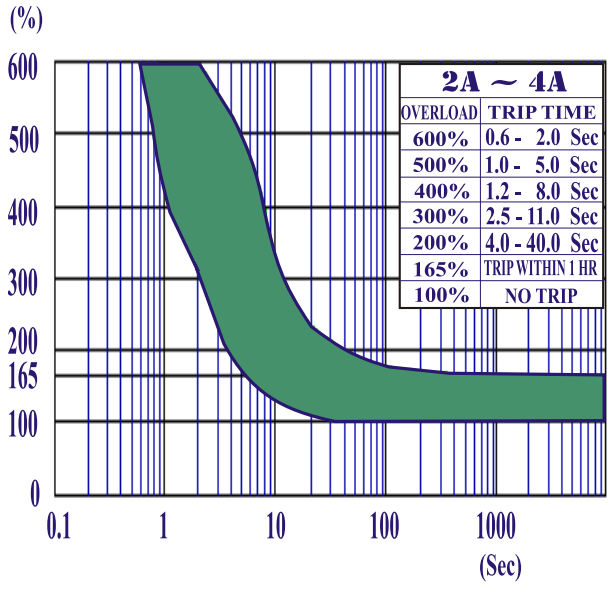
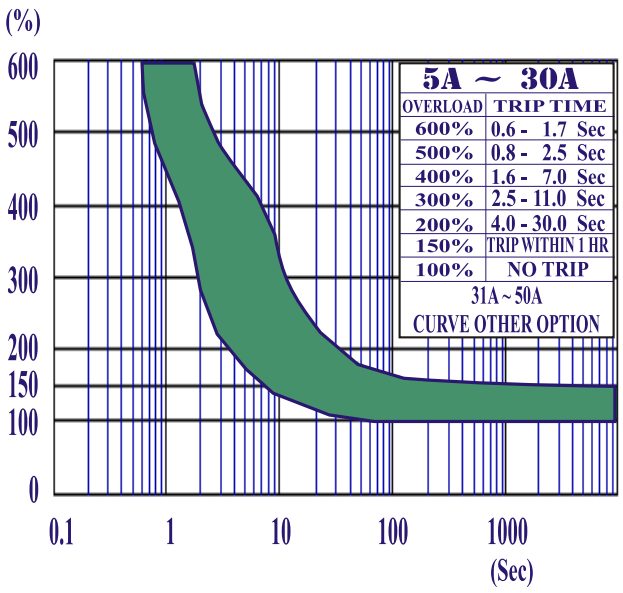
DERATING FACTOR		
TEMP	6A ~ 50A	2A ~ 5A
60℃	× 0.50	--
55℃	× 0.55	--
50℃	× 0.60	--
45℃	× 0.65	--
40℃	× 0.72	× 0.45
35℃	× 0.80	× 0.55
30℃	× 0.85	× 0.70
25℃	**× 1.00**	**× 1.00**
20℃	× 1.10	× 1.20
15℃	× 1.15	× 1.35
10℃	× 1.25	× 1.45

(FOR REFERENCE ONLY)

MAX . INTERNAL RESISTANCE	
2.0A- 4.0A	0.100 Ω
5.0A- 6.0A	0.050 Ω
7.0A- 9.0A	0.035 Ω
10.0A-12.0A	0.020 Ω
13.0A-16.0A	0.015 Ω
17.0A-22.0A	0.010 Ω
23.0A-30.0A	0.006 Ω
31.0A-40.0A	0.004 Ω
41.0A-50.0A	0.003 Ω

SPECIFICATIONS:

- STANDARD RATING: **2 - 50** AMPERE.
- INPUT POWER: **50** VDC /**125** VAC / **250** VAC
- DIELECTRIC STRENGTH: **1500** VAC / **1** MINUTE
- RATED CONDITIONAL SHORT-CIRCUIT CURRENT : **IEC-60934** "**PC. 1 1000A** " WITH " **FUSE 16 A gL/gG** " .
- INSULATION RESISTANCE : **> 100 MΩ**
- CALIBRATION:
  - 25℃ - **100%** OF RATED CURRENT - CONTINUOUSLY CARRIED.
  - 25℃ - BETWEEN **101% TO 145%** - MAY TRIP OR NOT.
  - 25℃ - **150%** OF RATED CURRENT - TRIP **WITHIN 1 HOUR**.
    165% OF 2 ~ 4A - TRIP **WITHIN 1 HOUR**.
  - 25℃ - **200%** OF RATED CURRENT - TRIP **WITHIN 1 MINUTE**
- CONTACT ENDURANCE: **125**VAC x **150%** OF RATED CURRENT - **500** CYCLES.
- **IEC - 60934** METHOD OF OPERATION : " **R** " = **AUTOMATIC INTER-RUPTION 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: **3 - 30A** 125 / 250 VAC
- **CSA** APPROVAL: **3 - 30A** 125 VAC , 60Hz TC2, OL1, SC:C1, 1kA, 125 VAC
- **CSA** APPROVAL: **5 - 30A** 250 VAC , 60Hz TC2, OL1, SC:C1, 1kA, 250 VAC
- **VDE** APPROVAL: **4 - 30A** 250VAC / 50VDC
- **CCC** APPROVAL: **4 - 20A** 125 VAC / 250VAC / 50VDC