

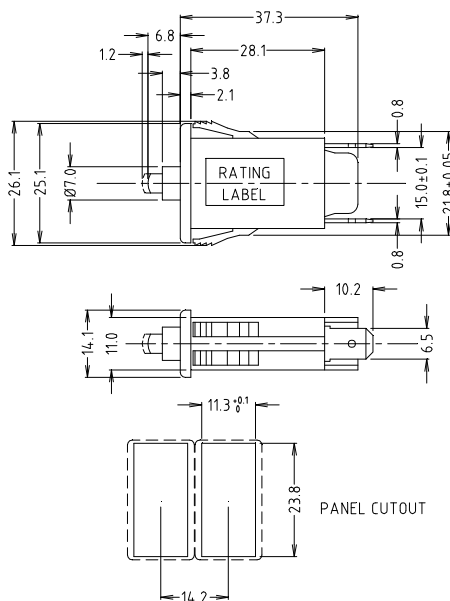
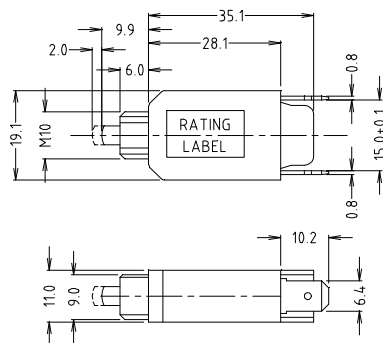
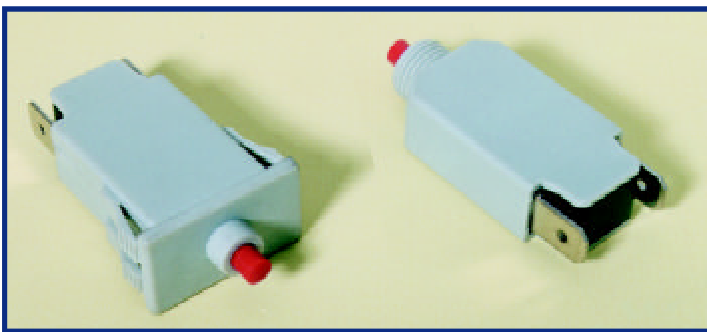
# CIRCUIT PROTECTOR

## A-0709 Series

**APPLICATIONS :** Power supply, Amplifier, UPS, Regulator, Generator.  
Mounting options - With Nut (U Type), Snap in (W Type)

### SPECIFICATION

Rating 4 - 16 Amperes in 1A. steps (13 Models).  
Input Power 32VDC / 120VAC / 240VAC  
Dielectric strength 1500VAC / 1 min.  
Interrupt capacity @ 120VAC - 1000A., @ 240VAC - 200A.  
Calibration @ 25°C 105% of rated current - Continuous..  
@ 25°C 196% to 134% of rated current - May / May not trip.  
@ 25°C 200% of rated current - Trip within 1 minute.  
E.g. 4 amp model @ 25°C 150% of rated current - Trip within 60 mins.  
Contact endurance @ 120VAC / 150% of rated current - 500 cycles.



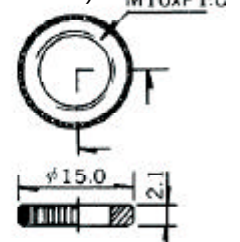
OPTION  
NAMEPLATE  
WASHER 'C'



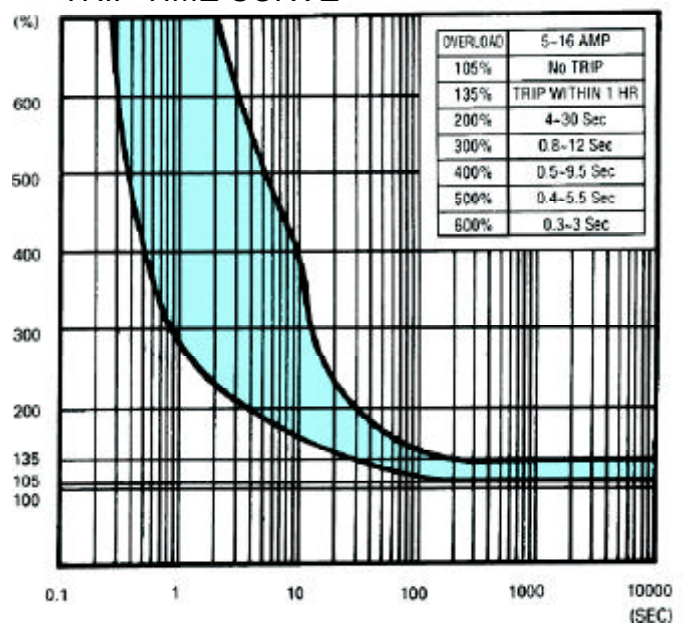
HEX NUT  
( 'A' TYPE )



ROUND NUT  
( 'B' TYPE )



### TRIP TIME CURVE



| Max Internal Resistance |        |
|-------------------------|--------|
| 4A-5A                   | 0.120Ω |
| 5A-6A                   | 0.100Ω |
| 6A-7A                   | 0.075Ω |
| 7A-8A                   | 0.035Ω |
| 8A-9A                   | 0.020Ω |
| 10A-13A                 | 0.015Ω |
| 14A-15A                 | 0.010Ω |
| 15A-16A                 | 0.008Ω |

| Derating Factor |       |         |
|-----------------|-------|---------|
| TEMP.           | 4A.   | 5A-16A. |
| 10°C            | x1.45 | x1.20   |
| 15°C            | x1.20 | x1.11   |
| 20°C            | x1.10 | x1.06   |
| 25°C            | x1.00 | x1.00   |
| 30°C            | x0.80 | x0.93   |
| 35°C            | x0.65 | x0.88   |
| 40°C            | x0.50 | x0.83   |
| 45°C            | -     | x0.77   |
| 50°C            | -     | x0.72   |
| 55°C            | -     | x0.65   |
| 60°C            | -     | x0.58   |

VDE Pending

ISO  
9002