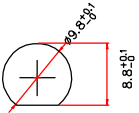


## 88A Series Thermal Circuit Breaker Single Pole Push to Reset

### •Technical data

- Current rating range 3~16A
- Input voltage rating 125/250VAC; 50VDC
- Interrupting Capacity 125/250VAC x 1,000A(UL 1077)
- Typical life 1,000 operations at 200% overload.
- Insulation co-ordination Rated impulse withstand voltage 2.5kV
- Dielectric Strength > 1,500VAC/min.
- Insulation Resistance >100MOHM (DC 500V)
- Degree of protection Terminal area IP00, operating area IP40

### •Mechanical/Environmental Data

- Operating Ambient Temperature: -10°C to +60°C
- Termination: 250"(6.35mm) quick connects or solder terminals
- Mounting: Various options. See Ordering Information and drawings
- Panel Cutout: 

### •Compliance with Rohs

The product accords with the requirement of ROHS( 2011/65/EU)  
Contacts use Exempted item of RoHS Directive 2010/571/EU 8(a)

### •Compliance with REACH, PAHS, PH1, PH2, PH3

### •Typical applications

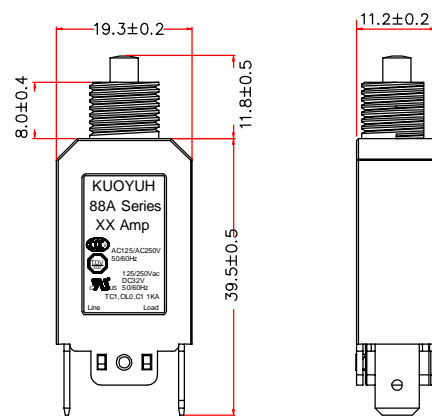
Transforms, Motors, Battery chargers, Power supplies, appliances, extra low voltage systems, machinery.

### •Calibration(at25°C)

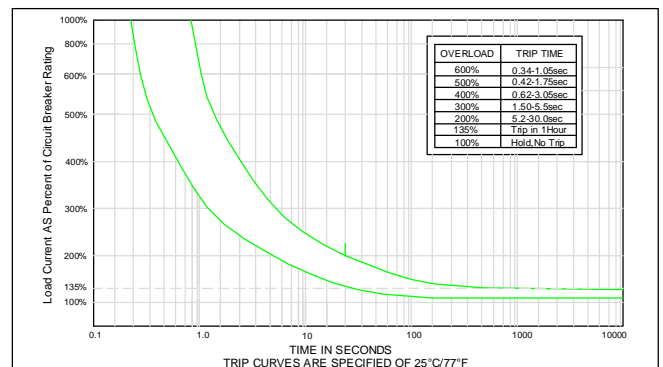
- 100% of Rated Current: Hold , No Trip
- 135% of Rated Current: Trip Within 1 Hour.
- 200% of Rated Current: 5.2- 30.0 sec Trip
- 300% of Rated Current: 1.5-5.5 sec Trip

### •Approval

Approval & File No.	Rated current	Rated voltage
•CUL UL E155159	3-16A	125/250VAC; 50VDC
•TUV SUD B150158611006	3-16A	125/250VAC
•CCC	3-16A	125/250VAC
•VDE	3-16A	125/250VAC



### •88A Series 3A~16A Trip Time Curves



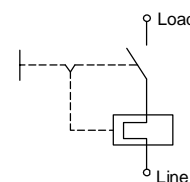
### •Ambient Temperature Correction Factor

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 circuit 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

### •Internal connection diagram



### Order Guide

