

## **Technical Data**

•Current rating range 3~30A

•Input voltage rating 125/250VAC; 32/50VDC

 Interrupting Capacity 125/250VAC x 1,000A(UL 1077) 1,000 operations at 200% overload. Typical life Rated impulse withstand voltage 2.5kV •Insulation co-ordination

•Dielectric Strength > 1,500VAC/min.

•Insulation Resistance >100MOHM (DC 500V)

## 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

#### 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,

 Ignition Proof UL Standard 1500

Protectors, Supplimentary for Marine Electrical & Fuel System (Guide PEQZ2, File 466099)

# **Typical applications**

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

### Calibration (at 25°C)

•100% of Rated Current: Hold No Trip •150% of Rated Current: Trip Within 1 Hour. •200% of Rated Current: 5-30 sec Trip •300% of Rated Current: 1.5-5.0 sec Trip

# **Approval**

·Approval & File No. Rated current Rated voltage 3-30A 125/250VAC; 50VDC •CUL UL E466099

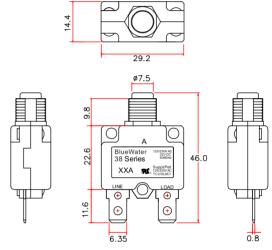
# Max. Internal Resistance

Amp rating	Max resistance			
3.0 - 5.0Amp	<0.225 Ohms			
6.0 - 8.0Amp	<0.175 Ohm			
9.0 - 12.0Amp	<0.125 Ohm			
13.0 - 16.0Amp	<0.050 Ohm			
17.0 - 20.0Amp	<0.040 Ohm			
21.0 - 25.0Amp	<0.030 Ohm			
26.0 - 30.0Amp	< 0.020 Ohm			

# CAL US CE WOHS

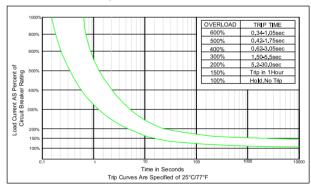






\* Dimension in mm:

#### •38 Series 3A-30A 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	0.77	0.83	0.91	1.00	1.06	1.18	1.37	1.47

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 multiplication factor shown below.

Example: Normal Continuous Current = 10A

Ambient Temperature = 40°C Division Factor = 1.18

Recommended Rating= 10A(1.18) = 11.8A Select the Nearest Rating = 12A