

# UL/DL Series Accessories

For mounting instructions please refer to page 43.



## Auxiliary Contact, Alarm Switch

Type/ Cat No.	Description	Contacts Type	Std Pk
H10UL	1 Auxiliary Contact	1NO	6
H11UL	2 Auxiliary Contacts	1NO + 1NC	6
H12UL	3 Auxiliary Contacts	1NO + 2NC	6
H21UL	3 Auxiliary Contacts	2NO + 1NC	6
HLS11L*	1 Auxiliary/1 Signal Contact	1CO + 1CO (Signal)	6

Rated Operating Currents	10A@240V AC 3A@110V DC 1A@220V DC
--------------------------	---

Minimum Contact Load Torque	1mA @ 24V DC max. 0.8Nm (7 lb.in)
-----------------------------	--------------------------------------

### Wire Range:

<b>Single Wire</b>	1.0mm <sup>2</sup> - 2.5mm <sup>2</sup> (18-14 AWG)
<b>Stranded Wire</b>	1.0mm <sup>2</sup> - 1.5mm <sup>2</sup> (18-16 AWG)
<b>Stranded Wire with Ferrule</b>	1.0mm <sup>2</sup> - 1.5mm <sup>2</sup> (18-16 AWG)

## Shunt Trip

Type/ Cat No.	Rated Voltage U <sub>N</sub>	Max. Operating Current @ U <sub>N</sub>	Std Pk
FA12UL	12V AC/DC	1.3A	5
FA24UL	24V AC/DC	0.6A	5
FA48UL	48 - 72V AC/DC	0.2A	5
FA110UL	110 - 240V AC/DC, 277V AC	0.25A @ 110V 0.5A @ 240V 0.58A @ 277V	5

## Undervoltage Trip\*

Type/ Cat No.	Line Voltage V <sub>E</sub>	Std Pk
UA120UL	120V AC, 60Hz	5

Reset-Hold Voltage = 0.85 x V<sub>E</sub>

Drop-Out Voltage = 0.35 ~ 0.7 x V<sub>E</sub>

V<sub>E</sub> = Rated Voltage

## Neutral Pole

Type/ Cat No.	Rated Current I <sub>N</sub>	Rated Voltage U <sub>N</sub>	Std Pk
N32UL	0.3 - 32A	480Y/277V AC	6
N63UL	40 - 63A	240V AC	6

## Touch Protection Caps

to cover the terminal screw holes on the switching devices, neutral Poles and shunt trips for increased touch protection.

Type/ Cat No.	Std Pk
BS.UL	100

## Cooling Spacer



Type/ Cat No.	Std Pk
15.960	1



## Lock-out Adapter\*\*

Type/ Cat No.	Std Pk
E983419	10

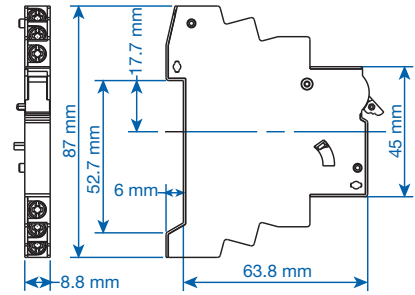
Type/ Cat No.	Std Pk
EASS	10

**Mounting Screw 34mm**  
to connect the auxiliary contact and shunt trip or neutral Pole to the circuit breaker.

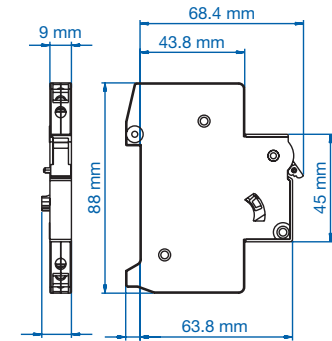


\* UL not approved.

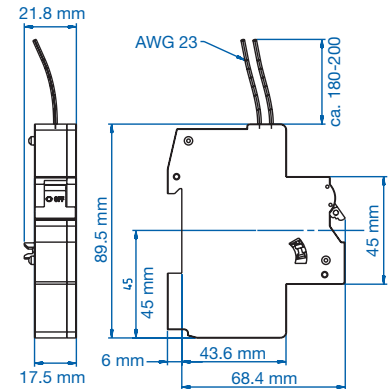
\*\* UL and DL series can also be locked in the on and off position by simply using a common lead or meter seal, which gets fed through the hole in the handle and a corresponding hole in the housing.



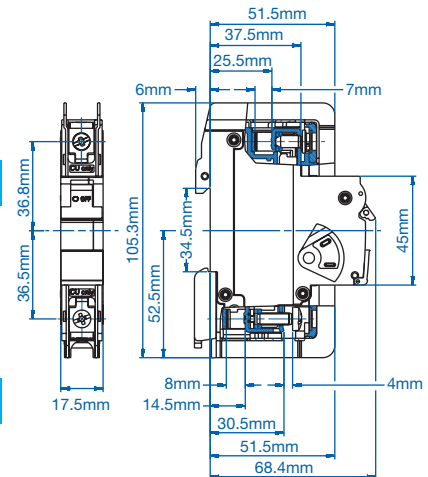
Dimensions HxxUL.



Dimensions HLS11L.



Dimensions UA120UL



Dimensions NxxUL, FxxUL