

# SE043 Series 2 Pole 500V DC Moulded Case Circuit Breaker for Battery Systems

## Installation Instructions

### 1. Overview

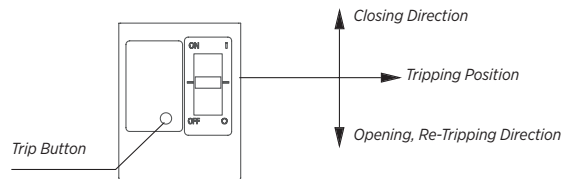
The 2P DC Breaker complies with AS/NZS IEC 60947.2 Standard. Smaller size with high break capacity and reliability for Battery Systems.

### 2. Check before installation

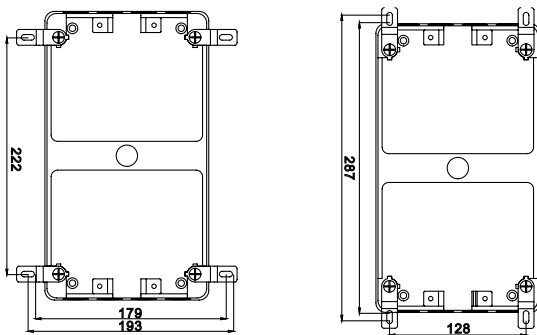
**A.** Ensure the breaker is in good condition. Check for:

1. Bag of Accessories
2. No rusting metal outlook

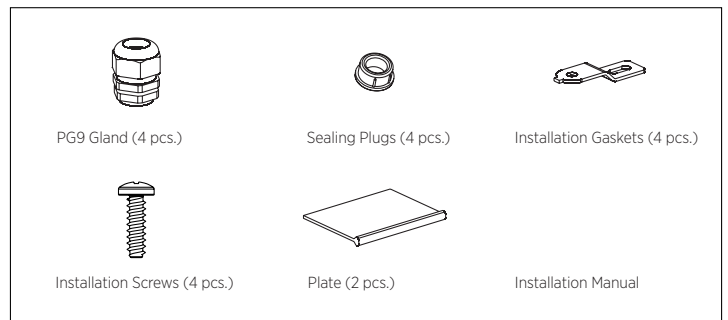
**B.** Test the breaker by turning the handle from On to Off.



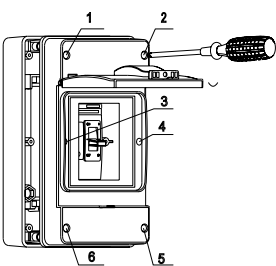
### 3. Dimensions and Fixed Mode



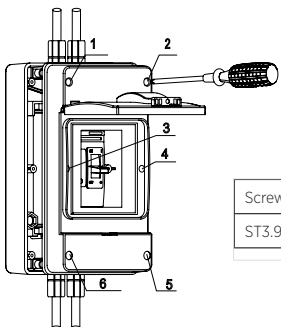
#### Accessories Included



### 4. Waterproof Enclosure Installation

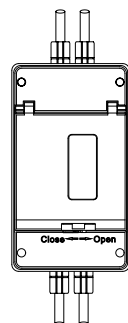


Open the enclosure cover, loosen point screws (1,2,3,4,5 and 6) with ph1 cross screwdriver till the cover can be opened



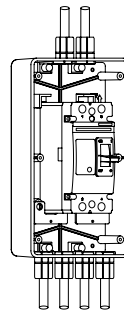
Screws Torque	
Screw Spec	M (N.m)
ST3.9	1.8

Put the enclosure cover back, tighten up the point screws (1,2,3,4,5 and 6). Cover the point with small cover.

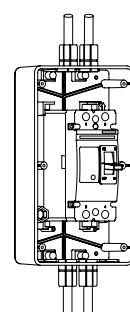


Install the transparent cover, lock the cover aligning it to the arrow mark.

#### 2 Input 4 output



#### 2 Input 2 output

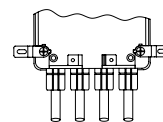


#### Screws Torque

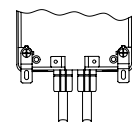
Screw Spec	M (N.m)
M8	11

1. Knock out the cover for Glands Installation.
2. Install the Glands.
3. Get the cable through the gland to the pole of the breaker. Tighten the M8 Screw.

#### 2 Input 4 output



#### 2 Input 2 output



#### Screws Torque

Screw Spec	M (N.m)
ST4.8	1.8

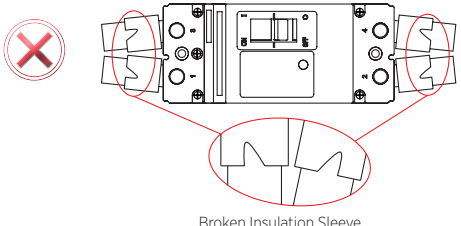
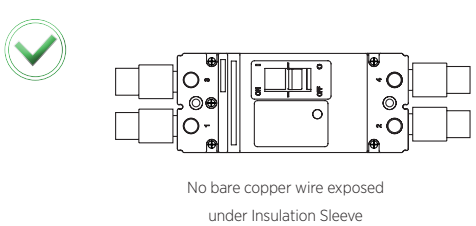
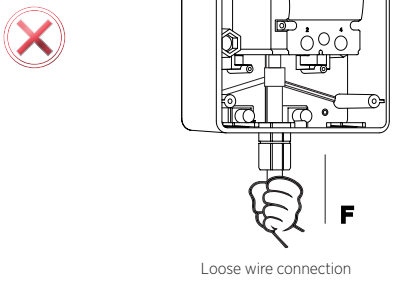
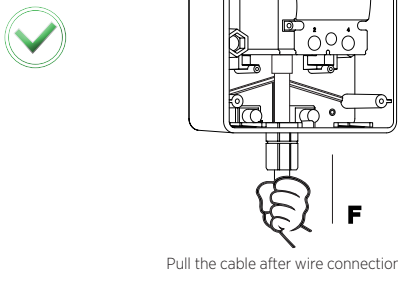
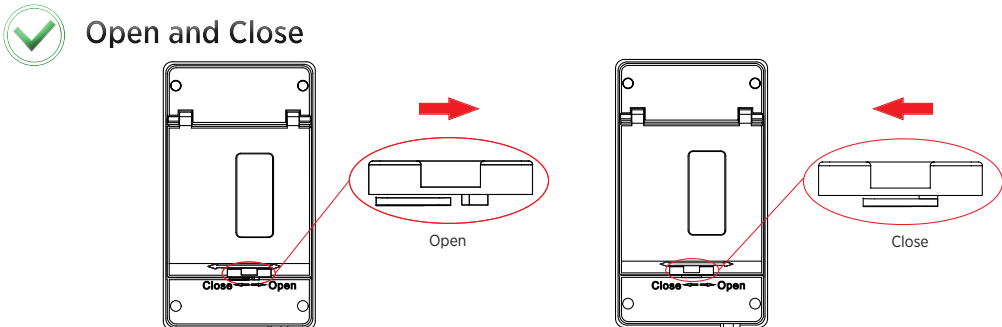
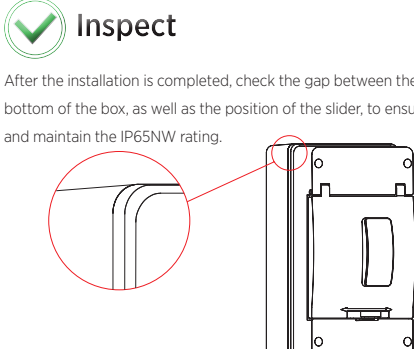
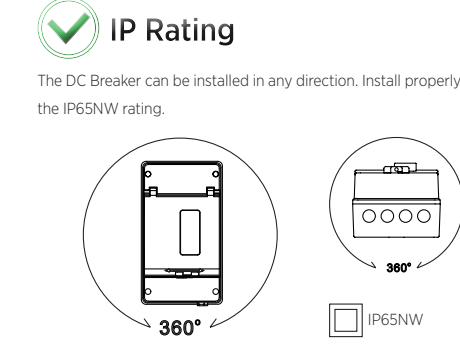
# SE043 Series 2 Pole 500V DC Moulded Case Circuit Breaker for Battery Systems



Please read the Manual before Installation to avoid voiding the Isolator Warranty. Incorrect Installation may cause damage to the DC Breaker.

## Incorrect Installation

## Correct Installation

 <p>Broken Insulation Sleeve</p>	 <p>No bare copper wire exposed under Insulation Sleeve</p>
 <p>Loose wire connection</p>	 <p>Pull the cable after wire connection to ensure the cable wiring is tight</p>
 <p>Open and Close</p>	
 <p><b>Inspect</b></p> <p>After the installation is completed, check the gap between the top cover and the bottom of the box, as well as the position of the slider, to ensure that it is in place and maintain the IP65NW rating.</p>	 <p><b>IP Rating</b></p> <p>The DC Breaker can be installed in any direction. Install properly to maintain the IP65NW rating.</p>

**Please Note:**

Please consult with your Electrician/Engineer to ensure suitability for the intended application and installation.

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