Installation and Removal Instructions for Series NRX Fixed Breaker Mounting Feet

Instructions apply to:

Series NRX, Type RF Frame
IEC, IZMX40

⚠️ WARNING

(1) ONLY QUALIFIED ELECTRICAL PERSONNEL SHOULD BE PERMITTED TO WORK ON THE EQUIPMENT.
(2) ALWAYS DE-ENERGIZE PRIMARY AND SECONDARY CIRCUITS IF A CIRCUIT BREAKER CANNOT BE REMOVED TO A SAFE WORK LOCATION.
(3) DRAWOUT CIRCUIT BREAKERS SHOULD BE LEVERED (RACKED) OUT TO THE DISCONNECT POSITION.
(4) ALL CIRCUIT BREAKERS SHOULD BE SWITCHED TO THE OFF POSITION AND MECHANISM SPRINGS DISCHARGED.

FAILURE TO FOLLOW THESE STEPS FOR ALL PROCEDURES DESCRIBED IN THIS INSTRUCTION LEAFLET COULD RESULT IN DEATH, BODILY INJURY, OR PROPERTY DAMAGE.

⚠️ WARNING

THE INSTRUCTIONS CONTAINED IN THIS IL AND ON PRODUCT LABELS HAVE TO BE FOLLOWED. OBSERVE THE FIVE SAFETY RULES:
- DISCONNECTING
- ENSURE THAT DEVICES CANNOT BE ACCIDENTALLY RESTARTED
- VERIFY ISOLATION FROM THE SUPPLY
- EARTHING AND SHORT-CIRCUITING
- COVERING OR PROVIDING BARRIERS TO ADJACENT LIVE PARTS

DISCONNECT THE EQUIPMENT FROM THE SUPPLY. USE ONLY AUTHORIZED SPARE PARTS IN THE REPAIR OF THE EQUIPMENT. THE SPECIFIED MAINTENANCE INTERVALS AS WELL AS THE INSTRUCTIONS FOR REPAIR AND EXCHANGE MUST BE STRICTLY ADHERED TO PREVENT INJURY TO PERSONNEL AND DAMAGE TO THE SWITCHBOARD.
Section 1: General Information
Rear connected fixed circuit breakers can be mounted on a suitable horizontal mounting surface using a pair of left and right side mounting feet.

Ten pieces of mounting hardware are provided to mount the pair of mounting feet (six M5 x 12 mounting screws and four M5 square nuts).

Two mounting slots are provided in each mounting foot for attaching the circuit breaker to an appropriate horizontal mounting surface. M8 or 5/16” mounting hardware is recommended for mounting the breaker. The hardware is provided by the customer (Figure 1).

Section 2: Mounting Feet Installation
To install the mounting feet, proceed with the following six steps:

Step 1: Remove the four screws holding the front cover in place (two on each side).

Step 2: Remove the front cover. Pull down on the charging handle to simplify removal.

Step 3: Install the two M5 square nuts into the slots provided in the back of the circuit breaker. Insert the vertical alignment feature at the top of the mounting foot into the cavity molded into the circuit breaker housings and align the mounting holes. Ensure that the front tabs properly align with the housing.
Figure 5. Step 3

Step 4: Start the two M5 x 12 screws through the side into the previously installed square nuts. Then start the third M5x12 screw through the front tab of the mounting foot. Once all mounting hardware is in place, complete the process by tightening the mounting hardware to 20 in-lbs (2.2Nm).

Figure 6. Step 4

Step 5: Once mounted, the right mounting foot should look as shown.

Figure 7. Step 5

Step 6: The opposite side mounting foot is then mounted in a similar fashion to that just described in Steps 3-6 using the three remaining M5 x 12 mounting screws and two remaining square nuts. Torque the screws to 20 in-lbs (2.2 Nm).

Step 7: Replace the front cover and secure it in place with the four mounting screws previously removed in Step 1.

Section 3: Mounting Feet Removal

To remove the mounting feet, reverse the procedure just described in Section 2.
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