Series NRX drawout cassette extension rail installation and removal instructions

Instructions apply to:

UL1066 / ANSI, UL489 series NRX NF frame
IEC IZMX16

⚠️ 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.
Note: The content of this IL applies to both PXR and Digitrip equipped breakers. Appearance of the product may vary.

Section 1: General information

Series NRX™ drawout cassette extension rails, when lowered down into their extended and locked position, permit the circuit breaker to be withdrawn to a position outside its compartment (Figure 1).

⚠️ IMPORTANT

KEEP THE DRAWOUT CASSETTE EXTENSION RAILS IN THEIR UPRIGHT AND LOCKED POSITION WITHIN THE CASSETTE ANYTIME A CIRCUIT BREAKER IS NOT IN ITS WITHDRAWN POSITION ON THE EXTENSION RAILS. THIS CAN HELP TO AVOID ANY UNEXPECTED CONTACT WITH THE RAILS POSSIBLY RESULTING IN RAIL OR STRUCTURE DAMAGE.

Figure 1. Circuit breaker withdrawn on the extension rails.

Section 2: Drawout extension rails

Extension rail removal

To remove extension rails, proceed with the following three steps.

Steps 1 and 2: The rail is held in place with one unique piece of mounting hardware. With the rail in its upright and locked position, remove the one piece of mounting hardware by turning it in a counter-clockwise direction with a standard 5/32 in. (4 mm) Allen (hex head) wrench.

Step 3: Once the piece of mounting hardware is removed, lift the rail up and out for removal as shown.

Extension rail installation

Reverse the procedure just described in Steps 1, 2, and 3 to install an extension rail. Hand tighten the mounting hardware.

Figure 2. Step 1.

Figure 3. Step 2.
Figure 4. Step 3.
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