Installation and Removal Instructions for Series NRX Drawout Cassette Extension Rail Assembly

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.

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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cassette extension rails, when lowered down into their extended and locked position, permit the circuit breaker to be withdrawn to a position outside its compartment.

⚠️ 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extension rails in their upright and locked position within the cassette anytime a circuit breaker is not in its Withdrawn position on the extension rails.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.

Figure 1. Circuit Breaker Withdrawn on Extension Rails

Figure 2. Section 2: Drawout Extension Rail Assembly

Extension Rail Assembly Removal

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

Steps 1 and 2: The rail assembly is held in place with (4) mounting screws. With the rail in its upright position, remove the (4) mounting screws.

Step 3: Once the (4) screws are removed, lift the rail assembly up and out for removal as shown. (Figure 4).
Extension Rail Installation
Reverse the procedure just described in Steps 1, 2 and 3 to install an extension rail. Hand tighten the mounting hardware.
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