IZM61 external auxiliary contact

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.

Section 1: General information

Auxiliary contacts offer remote indication of whether the circuit breaker is in OFF or ON state. External auxiliary contacts are needed if there are no sufficient internal auxiliary contacts, with a maximum number of 12 ONs and 12 OFFs. Each auxiliary contact has 1 NO contact (Contact "A") and 1 NC contact (Contact "B") with commons.

Tools required

- Phillips screwdriver
- Knife

External auxiliary contact installation for drawout products

Kit parts identification

- Auxiliary contact assembly (1)
- Rail (1)
- Label (1)
- Pressing plate (1)
- Screw M4×12 (1)
- Screw M4×8 (4)

Section 2: Installing the external auxiliary contact

Follow below steps for installation:

Step 1: First, lever out the basic device to the Disconnected position for removal.

Step 2: Remove the basic device after it is levered out, and remove the cover. Then, mount the pressing plate on the right side of the operating mechanism shaft (with M4×8 screws).

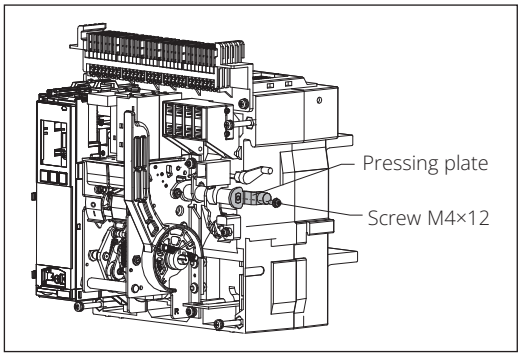

Figure 1. Step 2

Step 3: Remove the small square groove, as indicated in the figure, in the cover with the knife, then put the cover back.

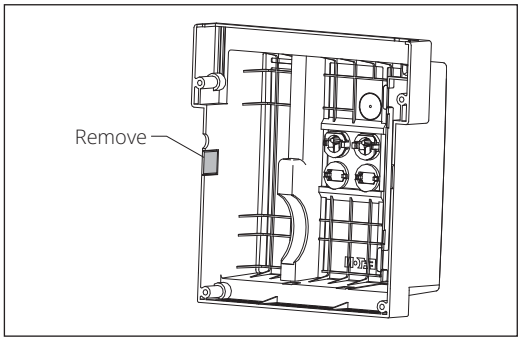

Figure 2. Step 3

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Step 4: Mount the auxiliary contacts on the right panel of the cassette and secure them with M4×8 screws (4).

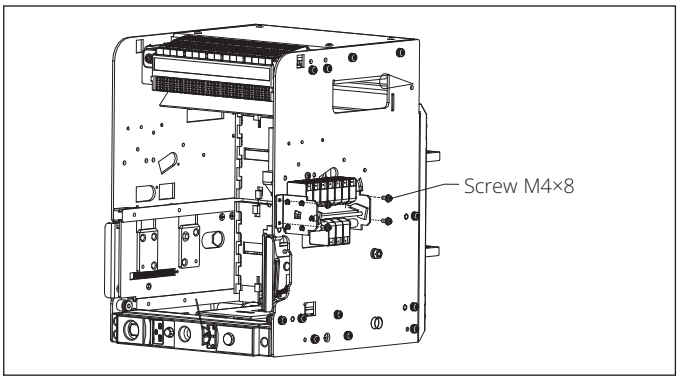

Figure 3. Step 4

Step 5: Remove the screws from the arc extinguishing cover, mount the rail, and secure it with screws.

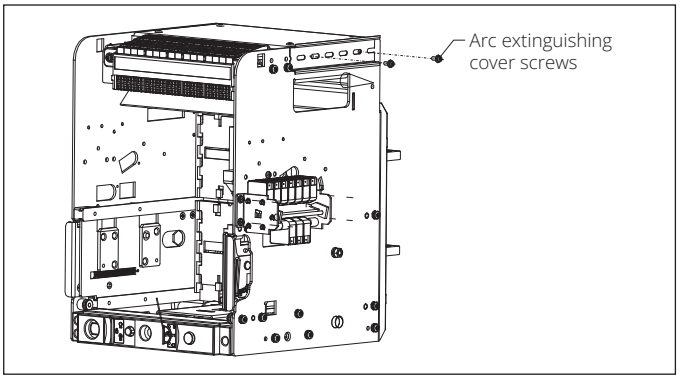

Figure 4. Step 5

Step 6: Then, snap terminals onto the rail in turn, mount the numbering plate, attach the label, and lever the basic device into the Connected position. Then, measure whether it can be switched normally according to the label instructions.

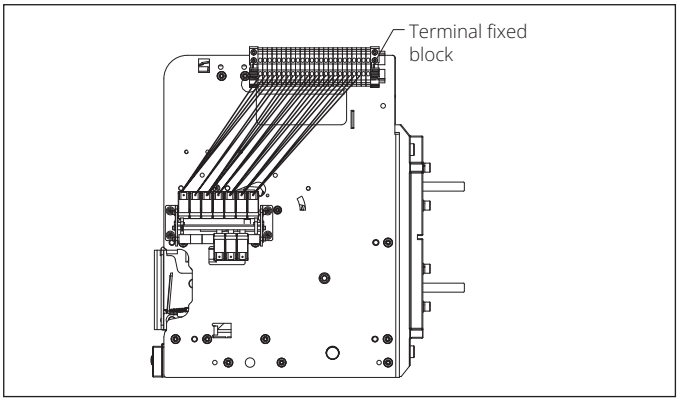

Figure 5. Step 6

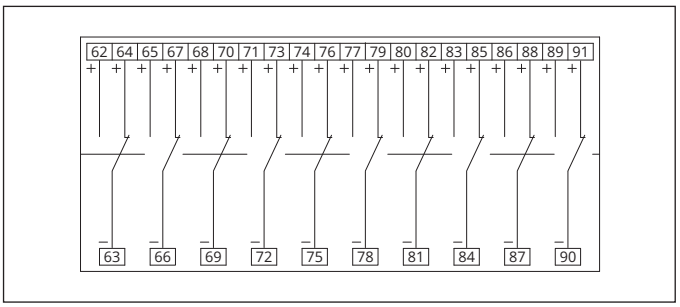

Figure 6. Auxiliary contact label

External auxiliary contact installation for fixed products

Kit parts identification

- Auxiliary contact assembly (1)
- Rail (1)
- Label (1)
- Pressing plate (1)
- Mounting panel (1)
- Screw M5×12 (5)
- Screw M4×8 (4)

Section 2: Installing the external auxiliary contact

Follow below steps for installation:

Step 1: Remove the cover again, and mount the pressing plate onto the right side of the operating mechanism (with M4×12 screws).

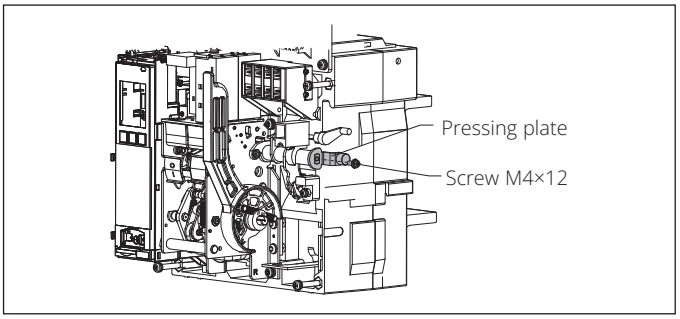

Figure 7. Step 1

Step 2: Remove the small square groove, as indicated in the figure, in the cover with the knife, then put the cover back.

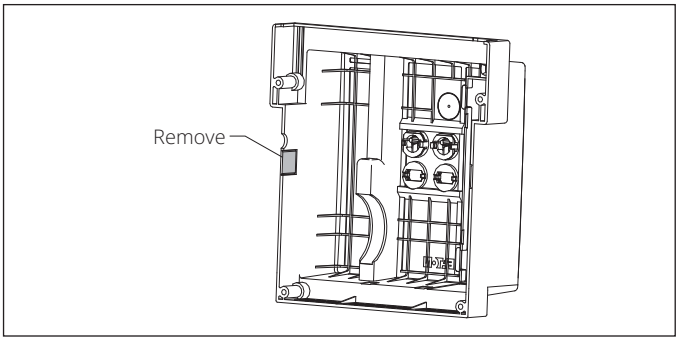

Figure 8. Step 2

Step 3: Remove the screws from the right side of arc extinguishing cover, and secure the fixing plate to the right panel with 4 M4×20 screws.

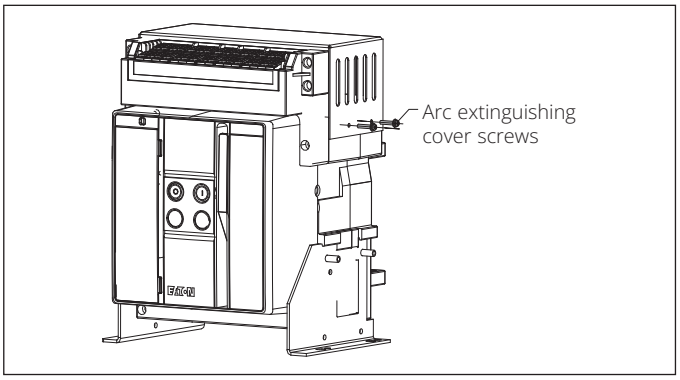

Figure 9. Step 3

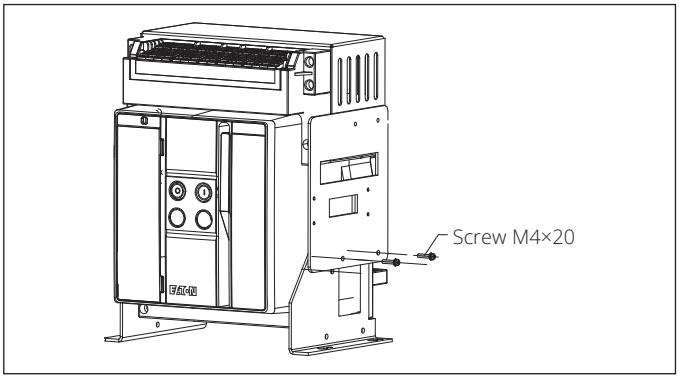

Figure 10. Step 3

Step 4: Mount the auxiliary contact assembly onto the fixing plate and secure it with 4 M4×8 screws.

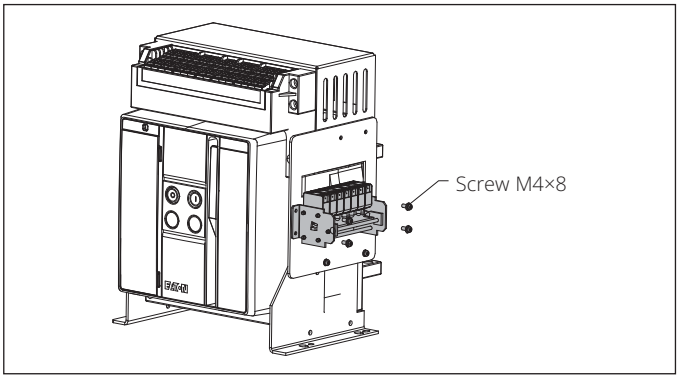

Figure 11. Step 4

Step 5: Mount the rail to its original place with the arc extinguishing cover screws.

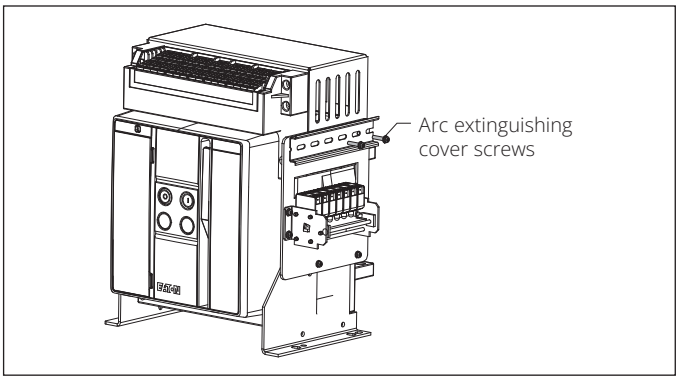

Figure 12. Step 5

Step 6: Then, snap terminals onto the rail in turn, mount the numbering plate, attach the label, and lever the basic device into the Connected position. Then, measure whether it can be switched normally according to the label instructions.

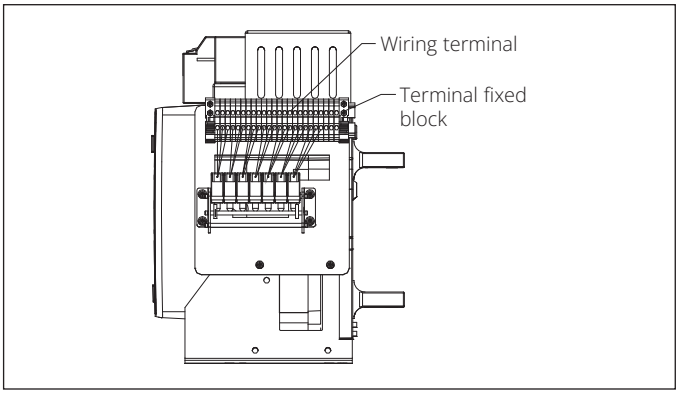

Figure 13. Step 6

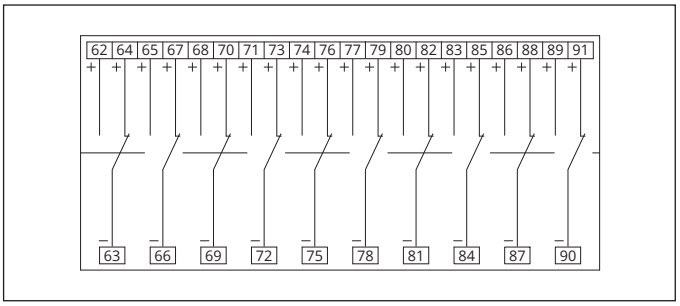

Figure 14. Auxiliary contact label

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