Auxiliary switch kit in IZM low voltage circuit breakers

⚠ 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

An auxiliary switch is an optional device providing remote electrical indication if the circuit breaker is open or closed. Up to three auxiliary switches can be mounted in the circuit breaker. Each switch has four normally open ("A") and four normally closed ("B") contacts for a total of 12 available change over contacts.

Section 2: Installation of the auxiliary switch

To install the auxiliary switch, proceed with the following five steps:

Step 1: Remove the front cover by unscrewing the hex head captive bolts (four for three-pole, six for four-pole) that join the cover to the breaker housing using a 10 mm 1/4-inch drive socket. Then hold the charge handle down approximately 45 degrees to pull off the cover.

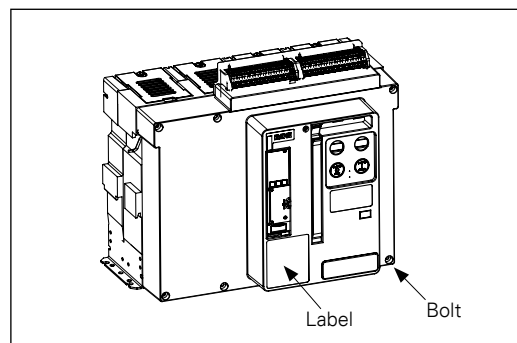**Step 2:** Place the appropriate label on the front cover nameplate space located under "Accessories."

Figure 1. Steps 1 and 2

Step 3: Slide the lock on the switch to the unlocked (up) position. Install the hook feet down through openings as shown. Then slide the auxiliary switch forward so the feet engage the mounting plate. Slide the lock down into the locked position.
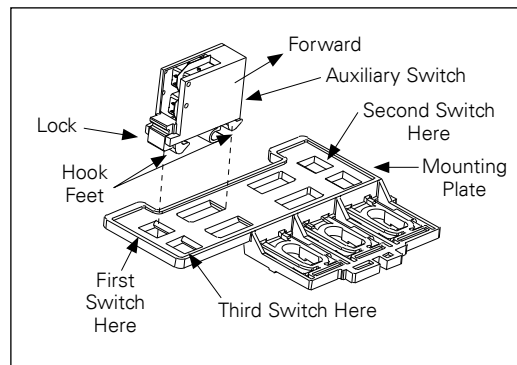

Figure 2. Step 3

Note: The number of auxiliary switches and shunt trips cannot exceed four.

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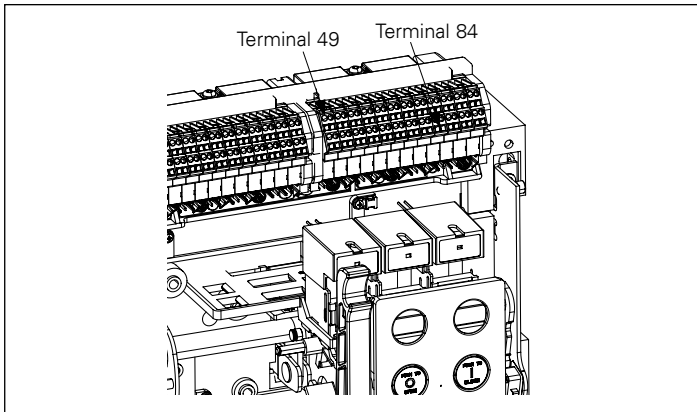**Step 4:** Wire auxiliary switches per **Table 1** and wire markings.

Figure 3. Step 4

Note: Securely tie wires away from moving parts.

Table 1. Auxiliary Switch Secondary Wiring

Auxiliary Switch	Position
#1	Contacts 49–60
#2	Contacts 61–72
#3	Contacts 73–84

Step 5: Reinstall front cover removed in Step 1.

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