Vertical adapter kit for fixed Magnum low voltage circuit breakers or IEC cassettes

⚠️ 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 BREAKER MUST BE REMOVED FROM ITS ENCLOSURE FOR THIS INSTALLATION PROCEDURE.
(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

The vertical stab adapter kit provides a means by which the primary terminal connections can be mounted vertically. The instructions for this kit apply to the following Magnum® frames: standard frame for 2500 A to 3200 A, double-wide frame for 5000 A to 6300 A, and narrow frame 4000 A to 5000 A.

Required tools

• Socket drive torque wrench
• 17 mm socket
• 17 mm wrench

Kit parts identification

Refer to Figure 1 for a visual parts reference of hardware supplied in a kit.

(A) 90-degree adapter (six required for three-pole installations, eight required for four-pole installations)
(B) M10 x 60 mm hex bolt (18 required for three-pole installations, 24 required for four-pole installations)
(C) M10 hex nut (18 required for three-pole installations, 24 required for four-pole installations)
(D) M10 conical spring washer (18 required for three-pole installations, 24 required for four-pole installations)
(E) M10 flat washer (36 required for three-pole installations, 48 required for four-pole installations)

Note: Kit content quantities are doubled when ordering adapter kits for double-wide frame sizes.

Section 2: Installation of vertical adapter kit

To install a vertical adapter kit, proceed as follows:

Step 1: Mount one 90-degree adapter (A) to each conductor with three M10 x 60 mm hex bolts (B), three conical spring washers (D), six flat washers (E), and three hex nuts (C). Torque the bolts to 37–43 ft-lbs (50–58 Nm).

Note: The adapters mount on the line conductors facing upward and on the load conductors facing downward.

⚠️ CAUTION

FOR PROPER OPERATION, THE ADAPTERS MUST BE TORQUED TO THE GIVEN SPECIFICATION.
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Figure 2. Step 1

Note: For narrow frame 4000 A to 5000 A, use two bolts (B), two conical
spring washers (D), and four flat washers (E).