Magnum® DC connection kit for 1600–2000A narrow fixed-mount breakers (three poles in series)

⚠️ 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 REMOVED FROM THEIR COMPARTMENTS.
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 INSTRUCTIONAL LEAFLET COULD RESULT IN DEATH, BODILY INJURY, OR PROPERTY DAMAGE.

General information

Kit 6D33378G01 is available for fixed-mount narrow DC breakers.

Kit 6D33378G11 is available for 2500–3200A standard fixed DC breakers.

Kit 6D33378G21 is available for 2500–3200A standard drawout DC breakers with universal cassette.

Required tools

- 3/8-inch socket drive (with torque measuring capability)
- 17 mm socket
- 17 mm wrench

Parts description

Refer to Figure 1 for visual identification of the parts listed below.

(A) 2C12352H22 vertical adapter 3/8-inch narrow fixed-mount
(B) 6D33379H01 1600–2000A narrow fixed bus connection (2)
(C) 20045BB0DA M10 x 45 hex bolt
(D) 7050EKA10 conical spring washer
(E) 70540EA10V M10 flat washer
(F) 70250AF0AU M10 hex nut

Figure 1. Kit Parts Identification
Installation of vertical adapters on narrow fixed breaker

**Step 1:** Mount one adapter (A) to each conductor with two M10 x 45 mm hex bolts (C), two conical spring washers (D), four flat washers (E), and two hex nuts (F). Torque the bolts to 37–43 lb ft (4–5 Nm). Refer to Figure 2 for illustration.

![Figure 2. Installation of Vertical Adapters](image1)

**Note:** The adapters mount on the top of the line conductors and on the bottom of the load conductors.

Installation of DC connection kit on narrow fixed breaker

**Step 1:** Fasten two H01 copper conductors (B) to the line side of pole C and the load side of pole B as shown in Figure 3. Ensure that the second bar (B) is inverted to position the notches in each bar as shown in Figure 3.

![Figure 3. Installation of DC Connection Kit (Step 1)](image2)

**Step 2:** Ensure that the hardware is positioned in the correct order as shown in Figure 4 and torque the hex bolts to 40 lb ft (52 Nm).

![Figure 4. Installation of DC Connection Kit (Step 2)](image3)

**Step 3:** Repeat steps 1 and 2 to attach copper conductors from line side of pole B to load side of pole A as shown in Figure 5.

![Figure 5. Installation of DC Connection Kit (Step 3)](image4)