Magnum® DC connection kit for 2500–3200A standard 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) 2C12351H10 vertical adapter 3/4-inch standard fixed-mount
(B) 6D33379H11 2500–3200A standard fixed bus connection
(C) 6D33379H12 2500–3200A standard fixed bus connection
(D) 70045BB0DD M10 x 45 hex bolt
(E) 70550EKA10 conical spring washer
(F) 7054EA10V M10 flat washer
(G) 70250AFQAU M10 hex nut

![Figure 1. Kit Parts Identification](image-url)
**Installation of vertical adapters on standard fixed breaker (for DEK breakers only)**

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

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

**Installation of DC connection kit on standard fixed breaker**

**Step 1:** Fasten two H11 copper conductors (B) and one H12 copper conductor (C) to the line side of pole C and the load side of pole B as shown in **Figure 3**. Ensure that the second H11 bar is inverted to position the notches in each bar as shown in **Figure 3**.

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

**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)](image)

**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)](image)