Magnum® DC connection kit for 2500–3200A standard drawout breakers with universal cassette (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) 2C12600H01 OEM universal cassette adapter
(B) 6D33379H21 2500–3200A universal cassette bus connection
(C) 6D33379H22 2500–3200A universal cassette bus connection
(D) 70045BB0DD M10 x 45 hex bolt
(E) 70550EKA10 conical spring washer
(F) 7054EA10V M10 flat washer
(G) 70250AFQAU M10 hex nut
(H) 70100EG07Q 3/4-inch, 16 x 2 hex bolt
(I) 70540AI10V flat washer

Figure 1. Kit Parts Identification
Installation of the universal bus adapters

Step 1: Fasten the adapters (A) to the conductor pads as shown in Figure 2 using items (H) and (I) from Figure 1. Torque the bolts to 35 lb ft (47 Nm).

Figure 2. Installation of the Universal Bus Adapters

Installation DC connection kit on universal cassette

Step 1: Fasten two H21 copper conductors (B) and one H22 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 H21 bar (B) is inverted to position the notches in each bar as shown in Figure 3. (This will ensure the best alignment possible of the busbars.)

Figure 3. Installation of DC Connection Kit (Step 1)

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)

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)