Installation Instructions for LG-BUS-TB, Busbar Adapter Kit to Mount Eaton’s LG Molded Case Circuit Breaker Frame to 60 mm Classic Mounting System

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Installation

1. Ensure all power is off.
2. Define whether the line or load end will be connected to the busbar.
3. Verify the alignment of the handle and escutcheon with the other breakers if applicable.
4. Break out the three round seals of the busbar adapter on either the line OR load end (Figure 1).
5. Locate the busbar adapter to the proper position horizontally along the bus bar. Then tighten the three clamping screws to 12 N•m (8.9 lb-ft) (Figure 2).
6. Loosely attach the three copper tube connectors onto the busbar adapter. Use the cap screws (no lock washers or flat spacers at this time), finger tighten the screws (Figure 3).
7. Mount the breaker on the busbar adapter and secure with the breaker mounting screws. Use the slightly longer screw on the line end and the shorter screw on the load end. Tighten to 2 N•m (1.5 lb-ft) (Figure 4).

Figure 1. Breaking Out the Three Round Seals on the Busbar Adapter.

Figure 2. Location of the Clamping Screws.

Figure 3. Installing the Copper Tube Connectors and Cap Screws.

Figure 4. Mounting the Breaker to the Busbar Adapter.
8. Remove the three cap screws and then put the cap screws through the curved lock washer, through the square 3.5 mm (0.138 in) thick copper spacer, through the breaker terminal, through the copper tube connectors and into the busbar adapter. Tighten to 20 N•m (14.75 lb-ft) (Figure 5).

Note: Each curved lock washer must be installed on the cap screw with its curvature facing the head of the screw.

Figure 5. Installing the Breaker Mounting Screws.
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