

Installation instructions for Series C rotary handle mechanism for G-, F-, J-, K-, L-, and MDL-Frame circuit breakers

⚠ WARNING

DO NOT ATTEMPT TO INSTALL OR PERFORM MAINTENANCE ON EQUIPMENT WHILE IT IS ENERGIZED. DEATH, SEVERE PERSONAL INJURY, OR SUBSTANTIAL PROPERTY DAMAGE CAN RESULT FROM CONTACT WITH ENERGIZED EQUIPMENT. ALWAYS VERIFY THAT NO VOLTAGE IS PRESENT BEFORE PROCEEDING WITH THE TASK, AND ALWAYS FOLLOW GENERALLY ACCEPTED SAFETY PROCEDURES.

Introduction

Series C® rotary handle mechanism is specially designed for use with Series C, G-, F-, J-, K-, L-, and MDL-Frame circuit breakers. The handle mechanism consists of an operating handle, shaft, and mechanism.

Installation

The following procedure is suitable for all frame sizes. Please use the supplied hardware to mount the handle mechanism.

Step 1

Turn circuit breaker to OFF position.

Step 2

Remove two cover fastening screws from circuit breaker (see **Figure 1**).

Note: This step is for K-Frame only.

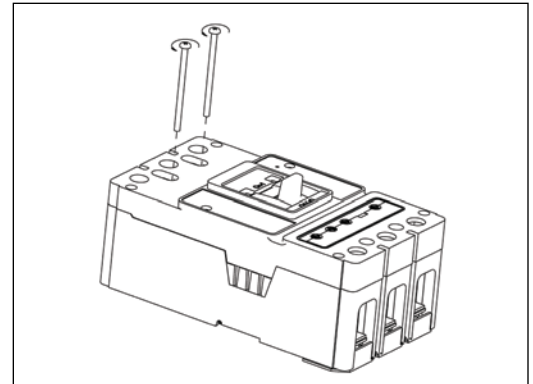


Figure 1. Remove Cover Fastening Screws from Circuit Breaker

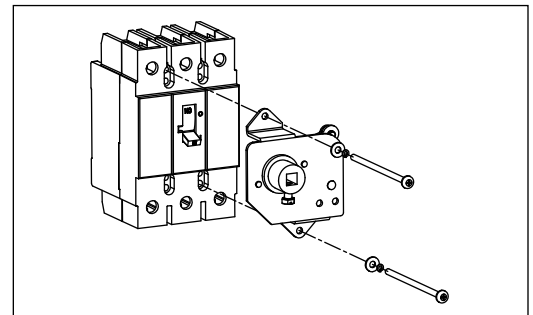


Figure 2. G-Frame Circuit Breaker

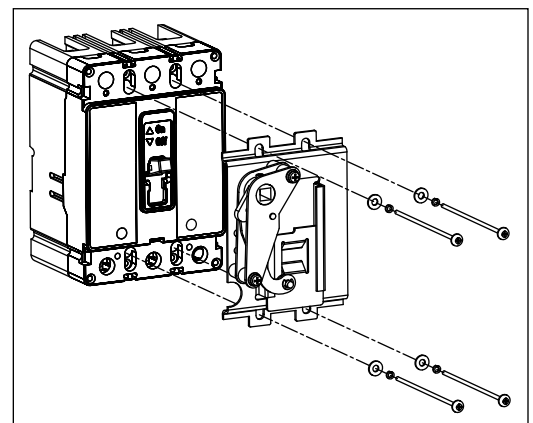


Figure 3. F-Frame Circuit Breaker

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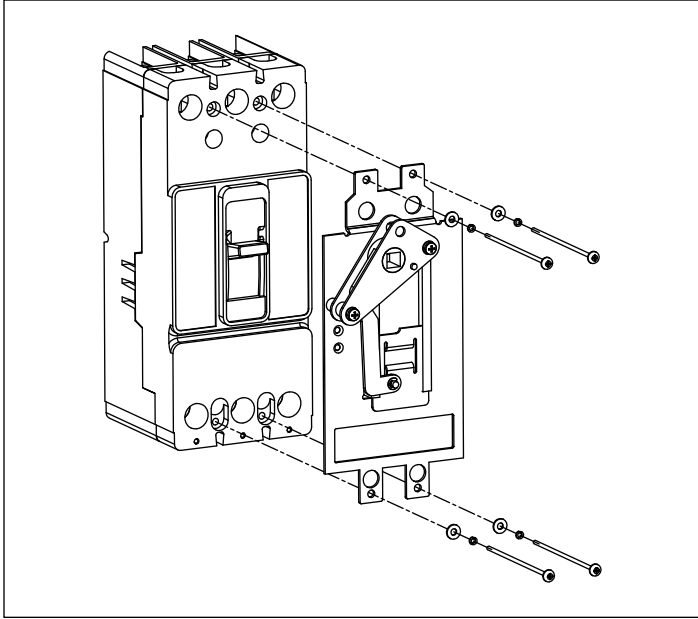


Figure 4. J-Frame Circuit Breaker

Step 3

Mount mechanism onto the circuit breaker using the supplied hardware as shown in **Figure 2** (for G-Frame breaker), **Figure 3** (for F-Frame breaker), **Figure 4** (for J-Frame breaker), **Figure 5** (for K-Frame breaker), and **Figure 6** (for L- and MDL-Frame breakers), and ensuring slide plate is engaged with the circuit breaker handle.

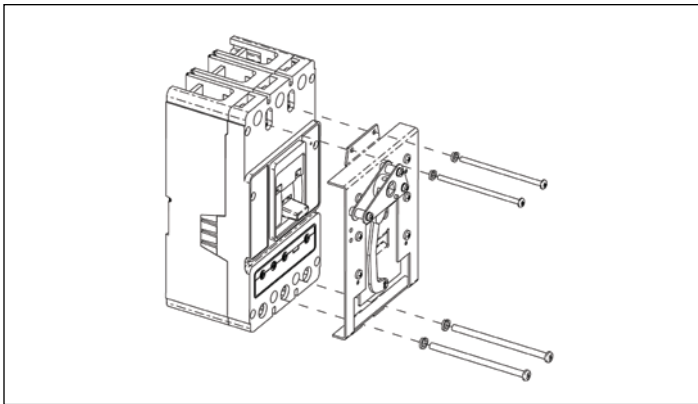


Figure 5. K-Frame Circuit Breaker

Note: For K-Frame, use two screws from the supplied package on the line side and two screws for the load side. For the load side, either two metric or two English/Imperial screws can be used.

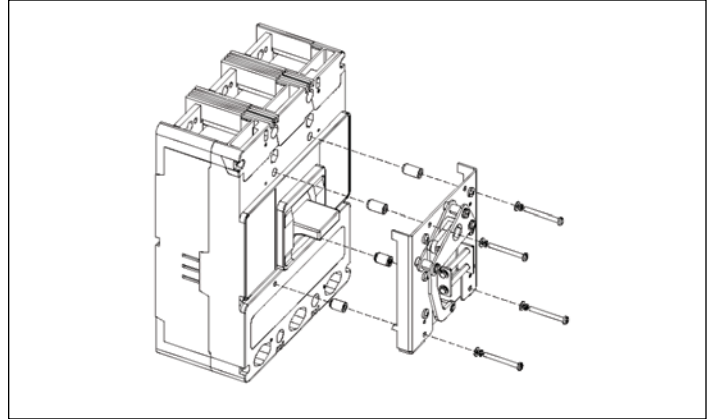


Figure 6. L- and MDL-Frame Circuit Breakers

Note: For L- and MDL-Frame, please use the spacers supplied; the longer on the line side and the shorter on the load side.

Step 4

Determine where to drill the enclosure door cover per **Figure 7** and the mounting position of the circuit breaker, and cut the hole in the enclosure door per **Figure 8**.

Note: The simplest means to determine where to drill the door cover is to paint some color ink on the tip of the shaft; close the door with moderate force to mark the inside of the enclosure door with the tip of the shaft. Use this mark as the center point of the drill pattern in **Figure 8**. When using high performance rotary handle, please refer to handle specific installation instruction for drill pattern and cutout.

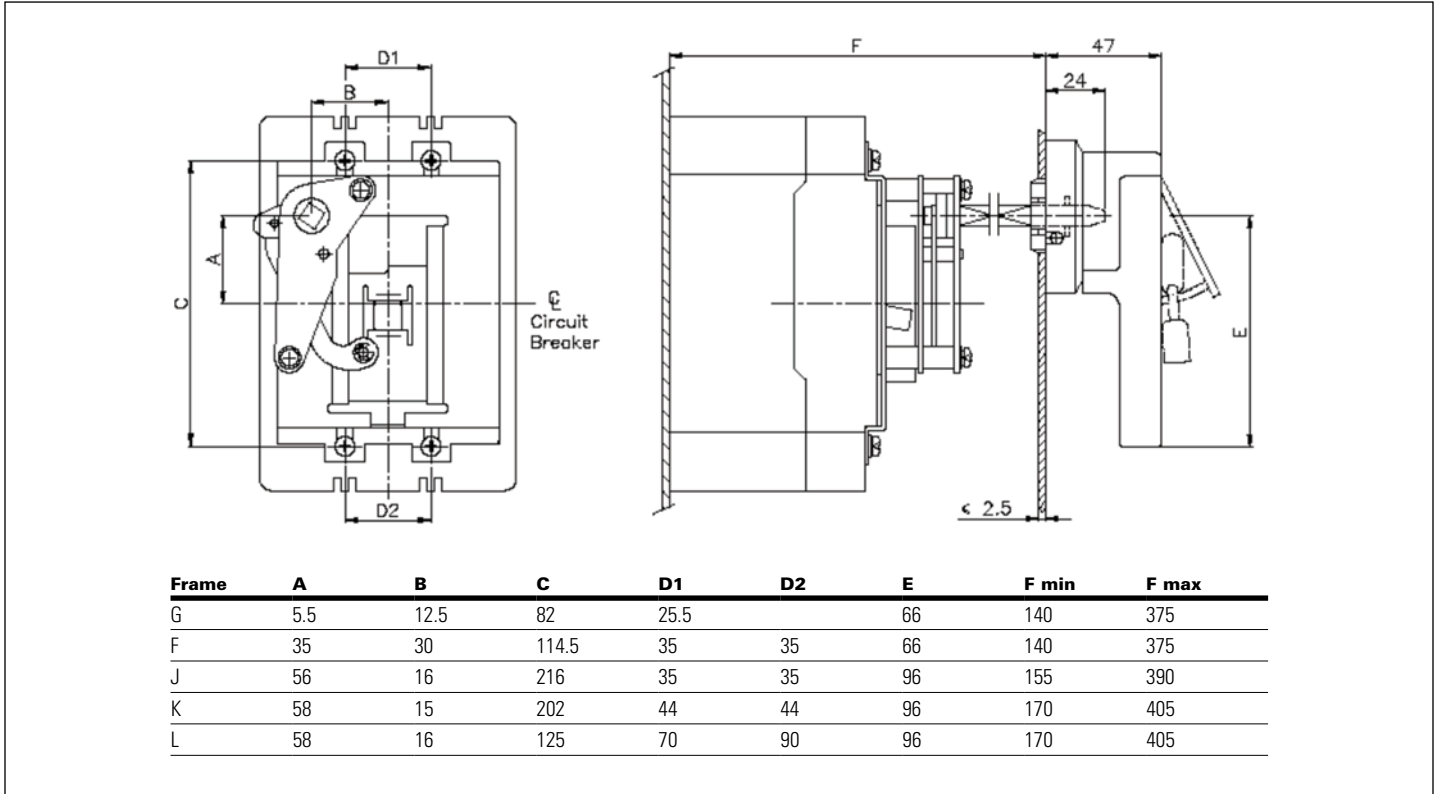


Figure 7. Dimension of the Handle Mechanism, Universal Handle Shown (Dimensions in mm)

Step 5

Fix the handle on the enclosure door cover (see **Figure 9**) and place the shaft into the pivot link on the operating mechanism. Close the enclosure door and test the function of the installed handle mechanism.

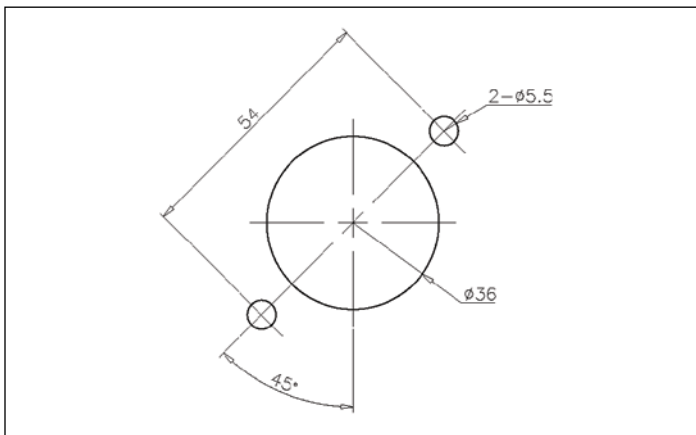


Figure 8. Universal Handle Mounting Bolt Drilling Plan

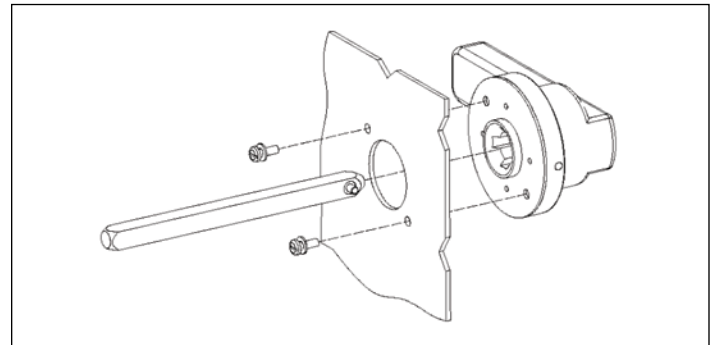


Figure 9. Installation Handle onto Cover

Step 6

Check the handle mechanism function and the indication by switching the handle to ON and OFF positions.

Step 7

Turn circuit breaker to OFF and open the door. Tighten the set screw in the mechanism link.

Step 8

Close enclosure door and switch handle mechanism / circuit breaker to ON position. Check that the enclosure door cannot be opened.

Step 9

With the handle mechanism / circuit breaker in ON position, press interlock defeater with a small screwdriver and check that enclosure door can be opened. The interlock defeater is a small button located on the side of the handle.

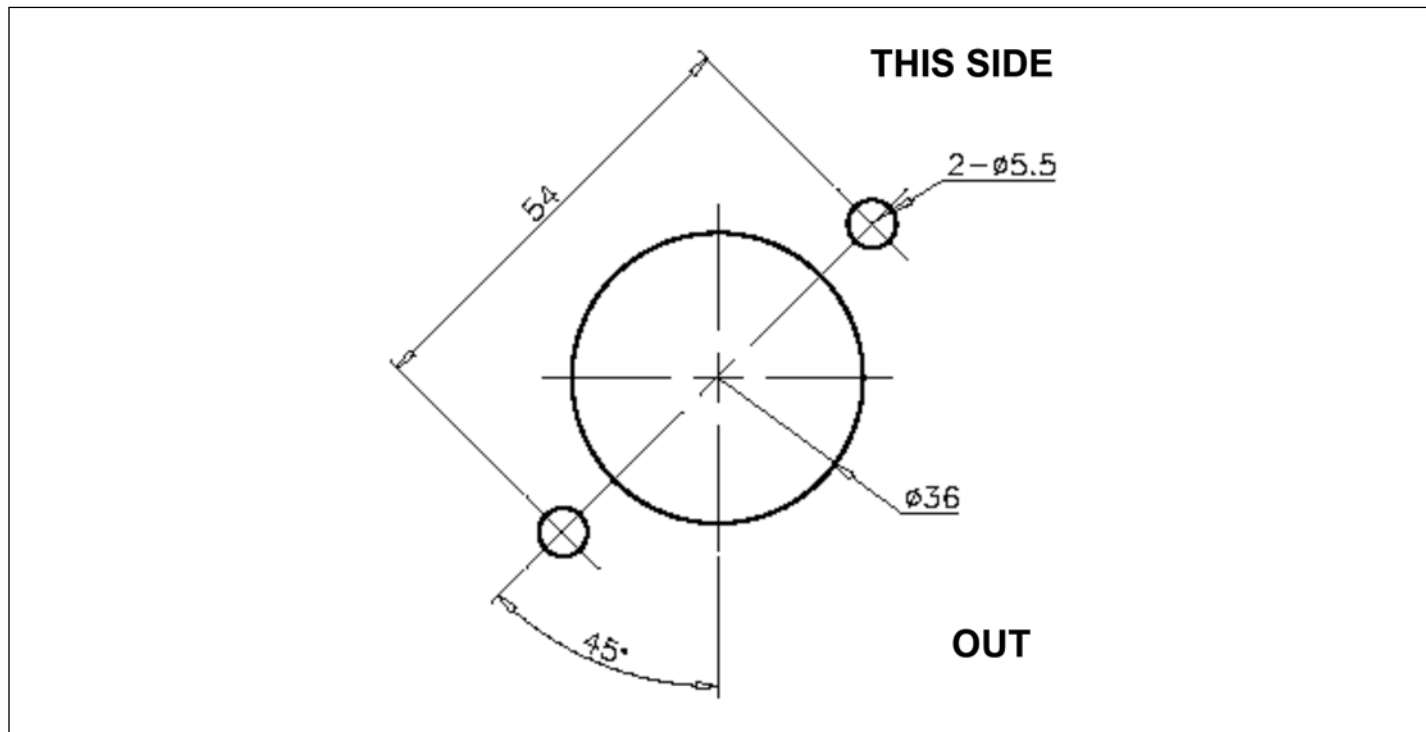


Figure 10. Universal Handle Drill Template

Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

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