

Installation Instructions for Series C IEC Rotary Handle Mechanism of G, F, J, K, L and MDL Frame Circuit Breaker

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.

1. Introduction

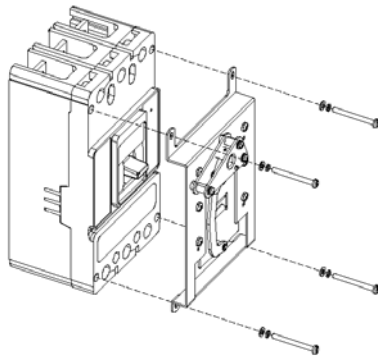
Series C IEC rotary handle mechanism is specially designed for use with Series C G, F, J, K, L and MDL frame circuit breaker. The handle mechanism consists of an operating handle, shaft and mechanism.

2. Installation

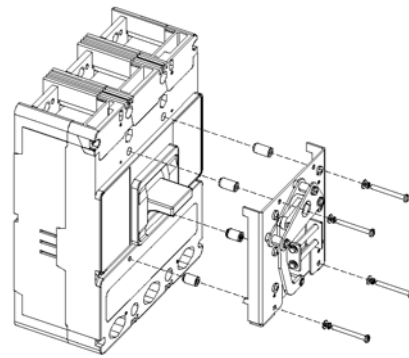
The following procedure is suitable for all frame sizes. Please use the supplied hardware to mount the handle mechanism.

2.1 Turn break off.

2.2 Mount mechanism onto the circuit breaker using the supplied hardware, as shown in Fig. 1.



G, F, J & K frame circuit breaker

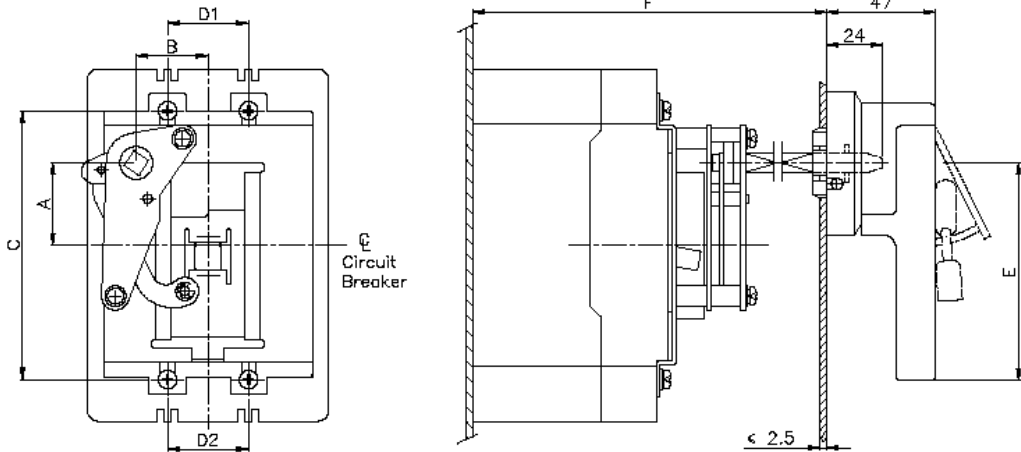


L frame circuit breaker

Fig 1. Mounting the operating mechanism onto the circuit breaker

Note: For L frame please use the spacers supplied, the longer on the line side and shorter on the load side.

2.3 Determine where to drill the enclosure door cover per Fig. 2 and the mounting position of the circuit breaker and cut the hole in the enclosure door per Fig. 3.



Dimension: mm

Frame	A	B	C	D1	D2	E	Fmin	Fmax
G	5.5	12.5	82	25.5		66	140	375
F	35	30	114.5	35	35	66	140	375
J	56	16	216	35	35	96	155	390
K	58	15	215	128	128	96	170	405
L	58	16	125	70	90	96	170	405
MDL	58	16	125	70	90	96	170	405

Fig 2. Dimension of the handle mechanism

Note: The simplest means to determine where to drill the door 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 Fig. 3.

2.4 Fix the handle on the enclosure door and place the shaft into the pivot link on the operating mechanism (Fig 4), close the enclosure door and test the function of the installed handle mechanism.

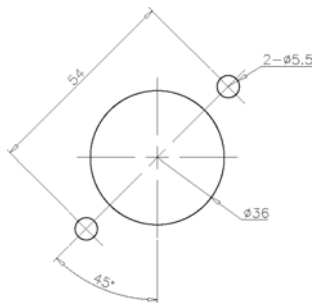


Fig 3. Handle mounting bolt drilling plan

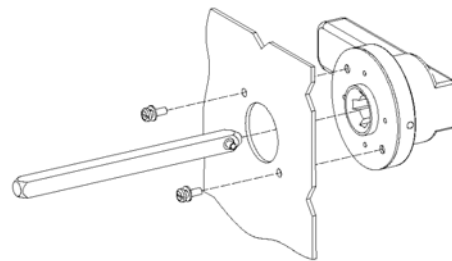


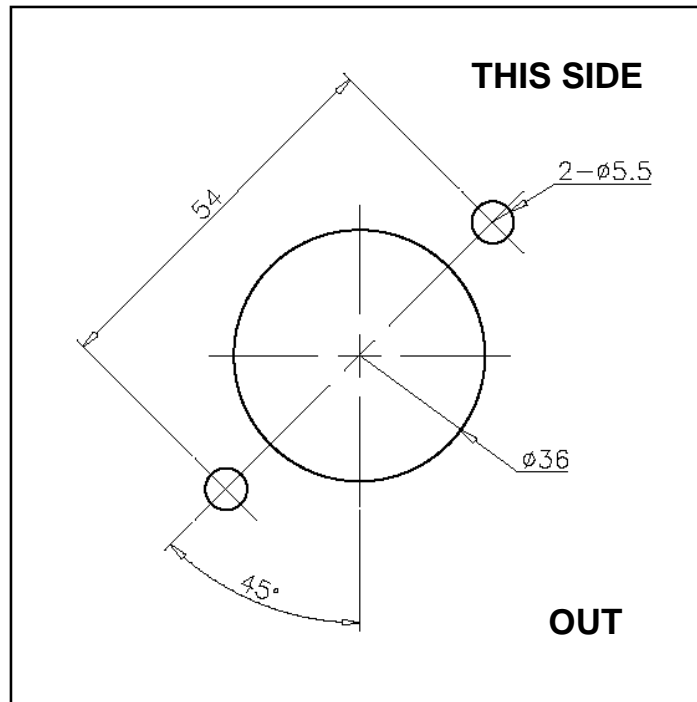
Fig 4. Handle mounting bolt drilling plan

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

2.4.2 Turn the breaker “OFF” and open the door. Tighten the setscrew in the link.

2.4.3 Close the enclosure door and switch the breaker to the “ON” position, check that the enclosure door cannot be opened.

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



Full size drill template