Handle Mechanisms



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Handle Mechanisms—Series G

Product Overview

Handle mechanisms are used to operate molded case circuit breakers, molded case switches and motor circuit protectors. They are available in three basic configurations—Flange Mounted, Through-the-Door and Direct (Close-Coupled)—providing safe, dependable operation and ease of installation.

Through-the-Door

- High-Performance Rotary
- Universal Rotary

Direct (Close-Coupled)

- Universal Direct

Flange Mounted

- Flex Shaft™

Handle mechanisms are used on enclosed circuit breakers, control panels and motor control centers in many different applications. Eaton has a handle mechanism for virtually any need.

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High-Performance Rotary Handle Mechanisms

Product Description

The high-performance rotary handle mechanism uses a simple, yet robust design to make installation and operation easy. The external handle's key functional components are all metallic, ensuring reliability. The metal-on-metal interface between the handle and shaft prevents contaminant buildup that could impede operation, while UV and chemical agent resistant materials protect the handle from heat and fading in direct sunlight, as well as chemicals that may be introduced in harsh environments.

In addition to its robust design features, the handle mechanism has stand-off support that allows for easy operation with a gloved hand. With a shallow profile, the handle can easily be used in applications where an internal or double door is required.

The high-performance external handle can accept padlocks or multi-hasp locks. The door is interlocked when padlocked and cannot be bypassed.

Features

- NEMA Type 1/3R/12 (IP54) and NEMA Type 4/4X (IP65) ratings
- Black/Blue or Red/Yellow external handle colors
- Three shaft lengths—6, 12 and 24 inches, which can be cut to size to match enclosure depth
- Conveniently packaged as kit containing handle, shaft and mechanism
- Replacement parts are available separately
- Metallic functional components ensure reliability
- Metal-on-metal interface between handle and shaft
- UV and chemical agent-resistant materials protect the handle
- Shallow profile
- Compatible with both Series C and Series G molded case circuit breakers and molded case switch platforms
- Same handle can be used on multiple frame sizes, reducing the number of parts needed
- Red and yellow handles to designate emergency disconnecting means
- All handle mechanisms can accept padlocks or multi-hasp locks for added flexibility
- Fast, easy installation (see video on website for step-by-step instructions)

Standards and Certifications

The mechanisms for EG, JG and LG breakers have an internal handle that can be operated independent of door position, and locked-out to meet one of the key NFPA requirements (NFPA® 79) and UL 508A disconnect requirements.

- NEMA 1/3R/12, IP54
- NEMA 4/4X, IP65

UL Listed

Product Selection

Handle Mechanisms for Series G Frames

Kits Only (Kit Includes Shaft, Mechanism and Handle)—EG-, JG- and LG-Frame

	Description	Rating Type NEMA	IP	EG-Frame Catalog Number	JG-Frame Catalog Number	LG-Frame Catalog Number
S01 Blue Handle 	S01 blue handle, 6-inch shaft	1/3R/12	54	**EGHMVD06B0 / 68C6040G25**	**JGHMVD06B0 / 68C6041G13**	—
		4/4X	65	**EGHMVD06BX0 / 68C6040G28**	**JGHMVD06BX0 / 68C6041G16**	—
	S01 blue handle, 12-inch shaft	1/3R/12	54	**EGHMVD12B0 / 68C6040G26**	**JGHMVD12B0 / 68C6041G14**	—
		4/4X	65	**EGHMVD12BX0 / 68C6040G29**	**JGHMVD12BX0 / 68C6041G17**	—
	S01 blue handle, 24-inch shaft ①	1/3R/12	54	**EGHMVD24B0 / 68C6040G27**	**JGHMVD24B0 / 68C6041G15**	—
		4/4X	65	**EGHMVD24BX0 / 68C6040G30**	**JGHMVD24BX0 / 68C6041G18**	—
S01 Red Handle 	S01 red handle, 6-inch shaft	1/3R/12	54	**EGHMVD06R0 / 68C6040G31**	**JGHMVD06R0 / 68C6041G19**	—
		4/4X	65	**EGHMVD06RX0 / 68C6040G34**	**JGHMVD06RX0 / 68C6041G22**	—
	S01 red handle, 12-inch shaft	1/3R/12	54	**EGHMVD12R0 / 68C6040G32**	**JGHMVD12R0 / 68C6041G20**	—
		4/4X	65	**EGHMVD12RX0 / 68C6040G35**	**JGHMVD12RX0 / 68C6041G23**	—
	S01 red handle, 24-inch shaft ①	1/3R/12	54	**EGHMVD24R0 / 68C6040G33**	**JGHMVD24R0 / 68C6041G21**	—
		4/4X	65	**EGHMVD24RX0 / 68C6040G36**	**JGHMVD24RX0 / 68C6041G24**	—
S2 Blue Handle 	S2 blue handle, 6-inch shaft	1/3R/12	54	**EGHMVD06B / 68C6040G13**	**JGHMVD06B / 68C6041G01**	**LGHMVD06B / 68C6042G01**
		4/4X	65	**EGHMVD06BX / 68C6040G16**	**JGHMVD06BX / 68C6041G04**	**LGHMVD06BX / 68C6042G04**
	S2 blue handle, 12-inch shaft	1/3R/12	54	**EGHMVD12B / 68C6040G14**	**JGHMVD12B / 68C6041G02**	**LGHMVD12B / 68C6042G02**
		4/4X	65	**EGHMVD12BX / 68C6040G17**	**JGHMVD12BX / 68C6041G05**	**LGHMVD12BX / 68C6042G05**
	S2 blue handle, 24-inch shaft ①	1/3R/12	54	**EGHMVD24B / 68C6040G15**	**JGHMVD24B / 68C6041G03**	**LGHMVD24B / 68C6042G03**
		4/4X	65	**EGHMVD24BX / 68C6040G18**	**JGHMVD24BX / 68C6041G06**	**LGHMVD24BX / 68C6042G06**
S2 Red Handle 	S2 red handle, 6-inch shaft	1/3R/12	54	**EGHMVD06R / 68C6040G19**	**JGHMVD06R / 68C6041G07**	**LGHMVD06R / 68C6042G07**
		4/4X	65	**EGHMVD06RX / 68C6040G22**	**JGHMVD06RX / 68C6041G10**	**LGHMVD06RX / 68C6042G10**
	S2 red handle, 12-inch shaft	1/3R/12	54	**EGHMVD12R / 68C6040G20**	**JGHMVD12R / 68C6041G08**	**LGHMVD12R / 68C6042G08**
		4/4X	65	**EGHMVD12RX / 68C6040G23**	**JGHMVD12RX / 68C6041G11**	**LGHMVD12RX / 68C6042G11**
	S2 red handle, 24-inch shaft ①	1/3R/12	54	**EGHMVD24R / 68C6040G21**	**JGHMVD24R / 68C6041G09**	**LGHMVD24R / 68C6042G09**
		4/4X	65	**EGHMVD24RX / 68C6040G24**	**JGHMVD24RX / 68C6041G12**	**LGHMVD24RX / 68C6042G12**

Notes

① 24-inch handle comes with support bracket.

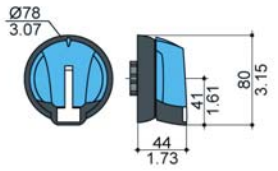
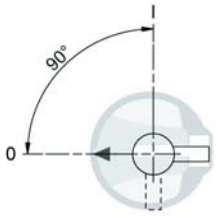
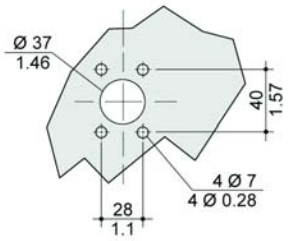
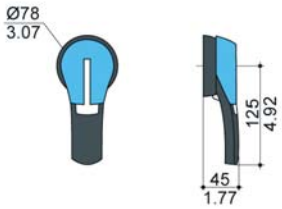
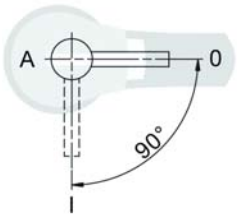
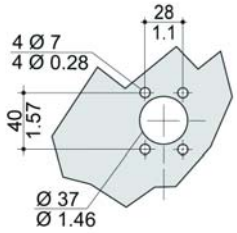
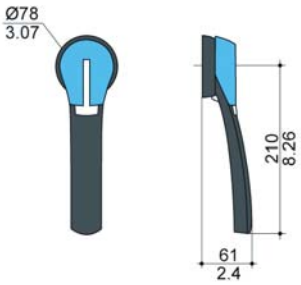
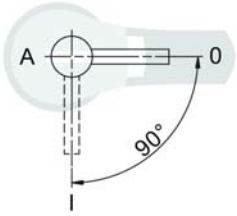
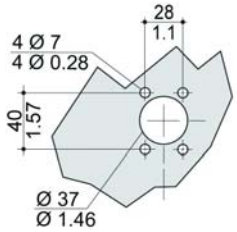
Shaft guide (68C6048G49) is optional and can be used with any high-performance handle listed above for greater alignment tolerance.

Dimensions

Approximate Dimensions in mm (Inches)

2

High-Performance Rotary Handle Mechanisms

Handle Type	Front Operation Direction of Operation	Door Drilling
Type S01		
		
Type S2		
		
Type S3		
		
Type S4		
