

Handle Mechanisms



Contents

<i>Description</i>	<i>Page</i>
Handle Mechanisms—Series G	V4-T2-419
High-Performance Rotary Handle Mechanisms	V4-T2-420
Universal Rotary	
Product Selection	V4-T2-426
Direct (Close-Coupled) Handle Mechanisms	V4-T2-427
Flex Shaft	V4-T2-428
Handle Mechanisms—Series C	
High-Performance Rotary Handle Mechanisms	V4-T2-433
Series C Rotary	V4-T2-437
Universal Rotary	V4-T2-439
Direct (Close-Coupled) Handle Mechanisms	V4-T2-441
Flex Shaft	V4-T2-443
Handle Extension	V4-T2-446

Universal Rotary

Product Description

Eaton’s Universal Rotary is suitable for use with Type 1 or 12 enclosure types. All rotary handle mechanisms include a handle “lock off” to prevent turning the breaker ON while in the OFF position, and indicate ON/OFF/Tripped/Reset positions. The Universal Rotary has the added feature of international markings for ON (I) and OFF (O). The Universal Rotary is made of molded material.

The Universal Rotary mechanisms for EG-, JG- and LG-Frame MCCBs can be operated by hand with the door open or “locked off” to prevent operation with the door open.

Standards and Certifications

Universal Rotary is UL listed and meets CSA requirements. Universal Rotary also meets IEC 60947-1 and IEC 60947-2 for international compliance. Rotary UL File Number is E64983.



Features

Features Comparison of Series C Rotary and Universal Rotary Handle Mechanism

Rotary	Number of Poles	NEMA Enclosure Type				Handle Lock-Off ②	Handle Indication: ON/OFF TRIPPED/RESET	International Markings ON (I) OFF (O)	Handle Material	Available Handle Colors	Handle Rotation	Shaft Lengths (Inches)
		1	3R	12	4/4X ①							
Series C rotary	—	■	■	■	■	■	■	■	Metal	Black	45 deg.	6, 12, 16, 24
Universal rotary	—	■	—	■	—	■	■	■	Molded plastic	Yellow/Red/Black	90 deg.	6, 12, 24

Notes

- ① Type 4/4X application requires special handle. See “Ordering Information.”
- ② All rotary handle mechanisms include a handle “Lock Off” to prevent turning the breaker ON while in the OFF position.

Product Selection

2

Universal Rotary



Universal Rotary Through-the-Door Handle Mechanisms

Handle Color	UL Rating	Shaft Length in Inches (mm)	Complete Catalog Number ^①
EG-Frame			
Black	1, 12	6.00 (152.4)	EHMVD06B
		12.00 (304.8)	EHMVD12B
		24.00 (609.6)	EHMVD24B
Red	1, 12	6.00 (152.4)	EHMVD06R
		12.00 (304.8)	EHMVD12R
		24.00 (609.6)	EHMVD24R
JG-Frame			
Black	1, 12	6.00 (152.4)	FJHMVD06B
		12.00 (304.8)	FJHMVD12B
		24.00 (609.6)	FJHMVD24B
Red	1, 12	6.00 (152.4)	FJHMVD06R
		12.00 (304.8)	FJHMVD12R
		24.00 (609.6)	FJHMVD24R
LG-Frame			
Black	1, 12	6.00 (152.4)	KLHMVD06B
		12.00 (304.8)	KLHMVD12B
		24.00 (609.6)	KLHMVD24B
Red	1, 12	6.00 (152.4)	KLHMVD06R
		12.00 (304.8)	KLHMVD12R
		24.00 (609.6)	KLHMVD24R
NG-Frame			
Black	1	6.00 (152.4)	HMVD5B
RG-Frame			
Black	1	9.00 (228.6)	HMVD6B

Series G Rotary



Series G Rotary Ordering Information

Shaft Length Inches (mm)	Complete Catalog Number ^②	Separate Catalog Number		Shaft ^⑤	Catalog Number	
		Standard Handle ^③	Breaker Mechanism ^④		IEC IP65 ^{⑥⑦}	IEC IP66 ^{⑥⑦}
N-Frame (ND and NG)						
6.00 (152.4)	HM5R06	6648C22G21	6648C23G08	4217B37G08	WHM5R06	WHM5R06X
12.00 (304.8)	HM5R12	6648C22G21	6648C23G08	4217B37G05	WHM5R12	WHM5R12X
16.00 (406.4)	HM5R16	6648C22G21	6648C23G08	4217B37G06	WHM5R16	WHM5R16X
24.00 (609.6)	HM5R24	6648C22G21	6648C23G08	4217B37G07	WHM5R24	WHM5R24X

Notes

- ① Complete catalog number includes handle, mechanism, shaft and mounting hardware.
- ② Complete catalog number includes the standard handle, mechanism, shaft and support brace/bracket.
- ③ Handle is designed suitable for NEMA Types 1, 3R and 12 enclosures. Use style number **6648C22G03** for Type 4/4X handle or add **X** Suffix to complete catalog number. Handle is cast aluminum.
- ④ Breaker mechanism includes a shaft support bracket and its parts. Shaft is .50-inch (12.7 mm).
- ⑤ Longer shafts, 16-inch (406.4 mm) and 24-inch (609.6 mm), include an adjustable support extension.
- ⑥ IEC handle mechanism supplied with metric thread mounting hardware.
- ⑦ Complete catalog number includes a handle, mechanism and shaft.