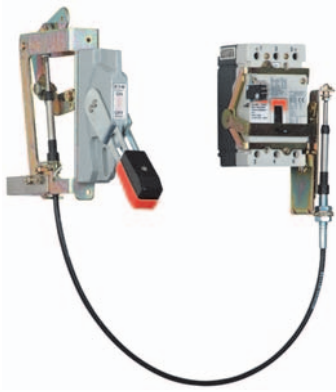


Handle Mechanisms



Contents

<i>Description</i>	<i>Page</i>
Handle Mechanisms—Series G	V4-T2-407
High-Performance Rotary Handle Mechanisms	V4-T2-408
Universal Rotary	V4-T2-413
Direct (Close-Coupled) Handle Mechanisms	V4-T2-415
Flex Shaft	
Handle Mechanisms—Series C	
High-Performance Rotary Handle Mechanisms	V4-T2-421
Series C Rotary	V4-T2-425
Direct (Close-Coupled) Handle Mechanisms	V4-T2-429
Flex Shaft	V4-T2-431
Product Selection	V4-T2-432
Handle Extension	V4-T2-434

Flex Shaft

Product Description

Flange-Mounted Handle Mechanisms

Flange-mounted handle mechanisms mount on the flange of an enclosure door. The Flex Shaft is an extra heavy-duty mechanism that includes a flexible shaft in various lengths, 3 feet (0.9m) through 10 feet (3m) for use with various size enclosures.

The Flex Shaft handle will accept up to three padlock shackles, each with a maximum diameter of 3/8 inches (9.5 mm). It can be used with Type 12 fabricated enclosures. An optional handle is available for Flex Shaft that is suitable for use with Type 4 environments.

Flex Shaft comes preset from the factory, requiring only minor field adjustments on installation, which takes about 10 minutes—a significant time savings compared to installation of other types of flange handle mechanisms. The Flex Shaft mechanism also takes up less interior enclosure space than competitive designs, and the handle fits standard flange cutouts. Flex Shaft handle can be remotely mounted from breaker, where an operator can use it by “funneling” the cable through conduit.

Standards and Certifications

Flex Shaft is UL listed under File E64983 and meets CSA requirements.



2.7

Molded Case Circuit Breakers

Handle Mechanisms

Product Selection

Approximate Dimensions in Inches (mm)

2

Handle Mechanisms

Flex Shaft

Breaker Frame	Flexible Shaft Length in Feet (m)							
	3 (0.9) Catalog Number	4 (1.2) Catalog Number	5 (1.5) Catalog Number	6 (1.8) Catalog Number	7 (2.1) Catalog Number	8 (2.4) Catalog Number	9 (2.7) Catalog Number	10 (3.0) Catalog Number
G ①	F0S03C	F0S04C	F0S05C	F0S06C	—	—	—	—
F	F1S03C	F1S04C	F1S05C	F1S06C	F1S07C	F1S08C	F1S09C	F1S10C
F (dual)	F1S03CD	F1S04CD	F1S05CD	F1S06CD	F1S07CD	F1S08CD	F1S09CD	F1S10CD
J	F2S03C	F2S04C	F2S05C	F2S06C	F2S07C	F2S08C	F2S09C	F2S10C
K	F3S03C	F3S04C	F3S05C	F3S06C	F3S07C	F3S08C	F3S09C	F3S10C
L and MDL	—	F4S04C	F4S05C	F4S06C	—	—	—	F4S10C
N	—	F5S04C	F5S05C	F5S06C	—	—	—	F5S10C
R	—	F6S04	F6S05	F6S06	—	—	—	—
MD, MDS (old)	—	F7S04	F7S05	F7S06	—	—	—	F7S10C

Flange-Mounted Handle Mechanisms

Type C371

Circuit Breaker or Motor Circuit Protector	Frame Size	Variable Depth Mounting Range Min./Max. ②③	Operating Mechanism Only ④	Operating Mechanism w/ 4-Inch Handle	
				For NEMA 1–12 Enclosure Catalog Number	For NEMA 4/4X Enclosure Catalog Number
HMCP and Series C EHD, FDB, FD, FDC, HFD, ED	150	6.50–16 (165.1–406.4)	C371E	C371E1	C371E2
HMCP and Series C HJD, JD, JDB, JDC	250	6.50–16.63 (165.1–422.4)	C371F	C371F5	C371F6
HMCP and Series C DK, HKD, KD, KDB	400	6.50–16.63 (165.1–422.4)	C371F	C371F5	C371F6
Series C HLD, LD, LDC	600	8.50–22 (215.9–558.8)	C371G	C371G5	C371G6
Series C MD, MDS (No MDL)	800	8.75–22 (222.3–558.8)	C371K	C371K5	C371K6
Series C HND, ND, NDC	1200	9.75–22 (247.7–558.8)	C371K	C371K5	C371K6

Notes

- ① Suitable for GC/GD MCCB; not suitable for GMCP.
- ② For increased maximum allowable depth, see connecting rods on [Page V4-T2-433](#).
- ③ Dimensions shown are from panel flange surface.
- ④ Does not include handle.

Type 4/4X handle mechanisms are available. Add Suffix **X** to complete catalog number. Add Suffix **I** to complete catalog number for IEC handle. Original narrow handle design (No C Suffix) is available. Remove C from catalog number.

When selecting the length of shaft, ensure minimum bending radius of 4 inches (101.6 mm) (5 inches, 127 mm for L-, N- and R-Frames) is maintained to operate properly. The standard method of shipment includes the mechanism preset at the factory; however, minor field adjustments may be required.

Dual breakers operator available on F-Frame only. Only the F, J and K can mount LH and RH all other RH only.