

Molded Case Circuit Breakers

External Accessories

Flange-Mounted Operators

Type STDA Flange Handles and Variable Depth Operating Mechanisms

- Designed to meet automotive duty specifications
- NEMA 12/13 and 4/4X UL Component Recognized components, File E-57253I CSA LR 10263
- For right or left hand flange mounting – field convertible
- Mounting dimensions to fit standard flange enclosures 8 inches
 - 24 inches deep
- Detailed installation instructions
- Superior strength

Flange Handle Construction

- Rugged die cast housing with provisions for locking in OFF position with up to three 3/16-inch to 5/16-inch padlocks
- O-ring seals for dirt-tight/oil-tight duty
- Gusseted, 3/32-inch thick double-sided steel handle with large, red-black self-extinguishing grade plastic grip.

Flange Handle Selection

Product Number STDA1 (6 inch) and STDA2 (10 inch) flange series handles are interchangeable. While the SE150 through SG600 operating mechanisms can be easily operated with the 6-inch STDA1 handle, the 10-inch STDA2 may be used to obtain lower operating force and/or to provide a proportionally larger handle on large enclosures. STDA3 and STDA3X can be used only with SDOM6 (for SK1200) operating mechanism.

| NEMA 12/13 Flange Handle Product Number | NEMA 4/4X Flange Handle Product Number | Nominal Length Inches | Installation Instruction Number | Drilling Template Number |
|---|--|-----------------------|---------------------------------|--------------------------|
| STDA1 | STDA1X | 6 | | |
| STDA2 | STDA2X | 10 | GEH-5314 | GEH-5314 |
| STDA3 | STDA3X | 10 | | |

Operating Mechanism Selection

| Circuit Breaker Type | Flange Handle Product Number | Operating Mechanism Product Number |
|--|------------------------------|------------------------------------|
| SE150 | STDA1, 1X (6 inch) | |
| SF250 | or | |
| SG600 | STDA2, 2X (10-inch) | |
| SK1200 ¹ | STDA3, 3X | SDOM6 ¹ |
| TEB, TED, THED, TEC, TB1 | | SDOM1A |
| TB1 and TEC with TECL | | SDOM1AP ⁵ |
| THLC1 (150A) | | TDOM1D |
| J-Frames, TJC (400, 600A) ² | STDA1, 1X (6 inch) or | TDOM4 |
| TB4 (400A) TJH/TJL ³ (600A Max) | STDA2, 2X (10-inch) | TDOM5 |
| TB6 (600A), TB8 (800A) | | TDOM7 |
| TKH/TKLD ⁴ (1200A Max) | | TDOM7 |

¹Requires STDA3 or STDA3X (10 inch, SK1200 only).

²Includes TJ/THJ/TJL.

³Use TDOM5 for TJH/TJL.

⁴Use TDOM7 for TKH/TKL.

⁵Adapter plate required to use SDOM1A on TB1 and TEC with TECL limiter.

Flange Stiffener Kit or Extended Length Drive Rod, Product Number TDSR

Provides rigid 3/8-inch diameter rod between STDA handle mounting surface (flange or center mullion) and operating mechanism when STDA handle would otherwise not be rigidly supported.

Rod length is 22 inches and may be cut to appropriate length. Also used as extended-length drive rod for SDOM1A and SDOM3 when standard 16 inch rod is not long enough. (Operating mechanism Product Number SDOM6 for SK1200 includes two 22" unique 3/8-16x22 inch flange stiffener rods, Product Number TDSR and drive rod.)

| Operating Mechanism Product Number | Flange Stiffener Kit Product Number | Extended Drive Rod Product Number |
|-------------------------------------|--|-----------------------------------|
| SDOM1A, SDOM3, TDOM1A through TDOM3 | TDSR | TDSR |
| SDOM4, TDOM4 through TDOM7 | TDSR (16" supplied with operating mechanism) | TDSR1 |

Extended Drive Stud, Product Number TDS1, TDS2

This optional drive study permits locating the operating mechanism 1-5/16 inches farther to the left (When flange handle is on right side) or to the right (when handle is on the left side) to accommodate specific mounting restrictions. Not suitable for use with SDOM4, SDOM6, TDOM4 and TDOM5 operating mechanisms.

| Operating Mechanism Product Number | Extended Drive Stud Product Number |
|---|------------------------------------|
| SDOM1A, SDOM3, TDOM1A through TDOM3, TDOM6, TDOM7 | TDS1, TDS2 |

Door Hardware NEMA 12/13 and 4/4X

Type TDV door hardware provides sealing and interlocking of 3/4-inch nominal door depth hinged on left or right. Interlocking design requires use of screwdriver to release. When used with an STDA flange handle and operating mechanisms, disconnect or circuit breaker cannot be turned on unless door and door hardware have been closed. For noninterlocking type, one bracket in kit is not used. Use of third point latch recommended for doors 40 inches or longer.

| Description | Door Hinged on Left Product Number | Door Hinged on Right Product Number |
|---|------------------------------------|-------------------------------------|
| NEMA 12/13 two point interlocking door hardware kit | TDV1 | TDV1L |
| NEMA 4/4X two point interlocking door hardware kit | TDV1X | TDV1LX |
| Third point latch kit for above | TDV3 | TDV3L |



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Section 6

Auxiliary Contact Kits

Available SPDT and DPDT and actuated by operating mechanism yoke.

| Used With Operating Mechanism Product Number | When STDA handle is on | | Auxiliary Contact Kit | |
|--|---------------------------|----------------|---------------------------|---------------------------|
| | Right Flange | Left Flange | SPDT Product Number | DPDT Product Number |
| SDOM1A, SDOM3 SDOM4 | • | | TDAS1L1 | TDAS1L2 |
| TDOM1A, JA TDOM1B, JB | | | | |
| TDOM1C TDOM1D TDOM3 | | • | TDAS1R1 | TDAS1R2 |
| SDOM6 TDOM4 TDOM5 | • | | TDAS2L1 | TDAS2L2 |
| TDOM6 TDOM7 | | • | TDAS1R1 | TDAS1R2 |

Publication References

| | |
|---|----------|
| Instructions: | |
| Door Hardware | GEH-5322 |
| Auxiliary Contact Kit | GEH-5323 |
| Flange Stiffener Kit or Extended Length Drive Rod | GEH-5324 |
| Extended Drive Stud | GEH-5325 |
| Operating Mechanism: | |
| SDOM1A through SDOM4, SDOM6 | GEH-5684 |
| TDOM1A through TDOM1D | GEH-5315 |
| TDOM3 | GEH-5317 |
| TDOM4 and TDOM5 | GEH-5318 |
| TDOM6 and TDOM7 | GEH-5319 |

See Section 27 for publication ordering information.

