

GE Fastrac Program Service  
Safety Switches

The GE Fastrac Program includes popular heavy duty and general duty safety switches.  
Standard cycle: 5 days  
GE Fastrac Program: Distributor stock

For more information on these products, order publications from Sections 22 and 23.

New from GE!

- Double-Throw Switches Now NEMA 3R (Outdoor) - Complete offering of NEMA 3R double-throw TC switches offered in 240V and 600V, 30A to 600A. Service entrance rated.
- 316 Stainless Switches - Heavy-duty 317 stainless steel switches have been replaced with 316 stainless steel.

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### General Duty Safety Switch, Single-throw

| Max. System Voltage | Ampere Rating | Switch Type          | UL Listed Fusing |                                    | Enclosure Type | BuyLog Page |
|---------------------|---------------|----------------------|------------------|------------------------------------|----------------|-------------|
|                     |               |                      | Class            | Withstanding Rating (rms Sym Amps) |                |             |
| 250Vac<br>250Vdc    | 30-200        | Fusible              | K                | 10,000                             | 1<br>3R        | 2-4,<br>2-5 |
|                     |               |                      | H                | 10,000                             |                |             |
|                     |               |                      | R                | 100,000                            |                |             |
|                     | 400-600       |                      | K                | 10,000                             |                |             |
|                     |               |                      | H                | 10,000                             |                |             |
|                     |               |                      | R                | 10,000                             |                |             |
|                     | 30-200        | No <sup>1</sup> Fuse | K                | 10,000                             |                |             |
|                     |               |                      | H                | 10,000                             |                |             |
|                     |               |                      | R                | 100,000                            |                |             |
|                     | 400-600       |                      | K                | 10,000                             |                |             |
|                     |               |                      | H                | 10,000                             |                |             |
|                     |               |                      | R                | 10,000                             |                |             |



TG3321

### Heavy Duty Safety Switch, Single-throw

| Max. System Voltage | Ampere Rating | Switch Type          | UL Listed Fusing |                                    | Enclosure Type                       | BuyLog Page            |
|---------------------|---------------|----------------------|------------------|------------------------------------|--------------------------------------|------------------------|
|                     |               |                      | Class            | Withstanding Rating (rms Sym Amps) |                                      |                        |
| 600Vac<br>250Vdc    | 30-1200       | Fusible              | H                | 10,000                             | 1<br>3R<br>4/4X<br>5,12<br>Mill Duty | 2-6<br>through<br>2-15 |
|                     |               |                      | R                | 200,000                            |                                      |                        |
|                     |               |                      | J                | 200,000                            |                                      |                        |
|                     |               |                      | L <sup>3</sup>   | 100,000                            |                                      |                        |
|                     |               | No <sup>1</sup> Fuse | H                | 10,000                             |                                      |                        |
|                     |               |                      | R                | 100,000                            |                                      |                        |
|                     |               |                      | J                | 100,000                            |                                      |                        |
|                     |               |                      | L <sup>3</sup>   | 10,000                             |                                      |                        |



TH3361SS

### Double-throw Safety Switch

| Max. System Voltage | Ampere Rating | Switch Type | UL Listed Fusing |                                    | Enclosure Type       | BuyLog Page       |
|---------------------|---------------|-------------|------------------|------------------------------------|----------------------|-------------------|
|                     |               |             | Class            | Withstanding Rating (rms Sym Amps) |                      |                   |
| 600Vac<br>250Vdc    | 30-600        | No Fuse     | —                | 10,000                             | 1 <sup>2</sup><br>3R | 2-16 through 2-18 |

<sup>1</sup> Non-fusible switch withstand ratings apply when protected by corresponding listed fuse type.

<sup>2</sup> 100-200 amp also available as Type 3R (General Duty only).

<sup>3</sup> Class L fuses are only applicable when used with 800 and 1200A Type TC safety switches.

### Enclosure Types

**Type 1**—Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment and to provide a degree of protection against falling dirt.

**Type 3R**—Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, and snow; and that will be undamaged by the external formation of ice on the enclosure

**Type 4**—Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, windblown dust, splashing water, and hose-directed water; and that will be undamaged by the external formation of ice on the enclosure.

**Type 4X**—Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, windblown dust, splashing water, hose-directed water, and corrosion; and that will be undamaged by the external formation of ice on the enclosure.



TC10323R



### Enclosure Types (continued)

**Type 5**—Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against settling airborne dust, lint, fibers, and flyings; and to provide a degree of protection against dripping and light splashing of liquids

**Type 12**—Enclosures constructed (without knockouts) for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against circulating dust, lint, fibers, and flyings; and to provide a degree of protection against dripping and light splashing of liquids

**Application Note:** For applications of disconnecting means in motor circuit applications, disconnect must be sized based on ampacity per NEC 430-110, but not less than 115% of Motor Name-Plate current.

### Comparison of Specific Applications of Enclosures for Indoor Nonhazardous Locations

| Provides a Degree of Protection Against the Following Environmental Conditions | Type of Enclosure |   |    |   |    |
|--------------------------------------------------------------------------------|-------------------|---|----|---|----|
|                                                                                | 1*                | 4 | 4X | 5 | 12 |
| Incidental contact with the enclosed equipment                                 | X                 | X | X  | X | X  |
| Falling dirt                                                                   | X                 | X | X  | X | X  |
| Falling liquids and light splashing                                            | –                 | X | X  | X | X  |
| Circulating dust, lint, fibers, and flyings**                                  | –                 | X | X  | – | X  |
| Settling airborne dust, lint, fibers, and flyings**                            | –                 | X | X  | X | X  |
| Hosedown and splashing water                                                   | –                 | X | X  | – | –  |
| Oil and coolant seepage                                                        | –                 | – | –  | – | X  |
| Corrosive agents                                                               | –                 | – | X  | – | –  |

\*These enclosures may be ventilated.

\*\* These fibers and flyings are nonhazardous materials and are not considered Class III type ignitable fibers or combustible flyings. For Class III type ignitable fibers or combustible flyings see the National Electrical Code, Article 500.

### Applications of Enclosures for Outdoor Nonhazardous Locations

| Provides a Degree of Protection Against the Following Environmental Conditions | Type of Enclosure |   |    |
|--------------------------------------------------------------------------------|-------------------|---|----|
|                                                                                | 3R*               | 4 | 4X |
| Incidental contact with the enclosed equipment                                 | X                 | X | X  |
| Rain, snow, and sleet**                                                        | X                 | X | X  |
| Windblown dust, lint, fibers, and flyings                                      | –                 | X | X  |
| Hosedown                                                                       | –                 | X | X  |
| Corrosive agents                                                               | –                 | – | X  |

\* These enclosures may be ventilated.

\*\* External operating mechanisms are not required to be operable when the enclosure is ice covered.

|                         |          |          |          |          |          |          |          |                                             |  |
|-------------------------|----------|----------|----------|----------|----------|----------|----------|---------------------------------------------|--|
| <b>T</b>                | <b>H</b> | <b>N</b> | <b>3</b> | <b>3</b> | <b>6</b> | <b>1</b> | <b>J</b> | <b>DC</b>                                   |  |
| <b>Publication</b>      |          |          |          |          |          |          |          | <b>Other Features</b>                       |  |
| <b>Duty Level</b>       |          |          |          |          |          |          |          | DC= Max DC Voltage–600V                     |  |
| H= Heavy Duty           |          |          |          |          |          |          |          | CL= Copper Lug                              |  |
| G= General Duty         |          |          |          |          |          |          |          |                                             |  |
| C= Double Throw         |          |          |          |          |          |          |          |                                             |  |
| D= Fusible Double Throw |          |          |          |          |          |          |          |                                             |  |
| <b>Fusing</b>           |          |          |          |          |          |          |          | <b>Enclosure Type</b>                       |  |
| N= No Fuse              |          |          |          |          |          |          |          | Blank= NEMA 1                               |  |
| Blank= Fused            |          |          |          |          |          |          |          | B= Bottom Feed (240V, TH, Type 1, 200-600A) |  |
|                         |          |          |          |          |          |          |          | R= NEMA 3R                                  |  |
|                         |          |          |          |          |          |          |          | SS= NEMA 4/5 Stainless Steel Type 304       |  |
|                         |          |          |          |          |          |          |          | SS316= NEMA 4/4X Stainless Steel Type 316   |  |
|                         |          |          |          |          |          |          |          | J= NEMA 12                                  |  |
|                         |          |          |          |          |          |          |          | M= Mill Duty NEMA 12                        |  |
|                         |          |          |          |          |          |          |          | W= Viewing Window Option                    |  |
|                         |          |          |          |          |          |          |          | F= Vertically Hinged Door, NEMA 3R          |  |
| <b>Number of Wires</b>  |          |          |          |          |          |          |          | <b>Ampere Rating</b>                        |  |
| 2, 3, 4, 6              |          |          |          |          |          |          |          | 1= 30A                                      |  |
|                         |          |          |          |          |          |          |          | 2= 60A                                      |  |
|                         |          |          |          |          |          |          |          | 3= 100A                                     |  |
|                         |          |          |          |          |          |          |          | 4= 200A                                     |  |
|                         |          |          |          |          |          |          |          | 5= 400A                                     |  |
|                         |          |          |          |          |          |          |          | 6= 600A                                     |  |
| <b>Number of Poles</b>  |          |          |          |          |          |          |          | <b>Maximum AC Voltage</b>                   |  |
| 2, 3, 6                 |          |          |          |          |          |          |          | 2= 240V, 6= 600V                            |  |



**Publications and Reference:** See Section 22 for a complete list of additional product-related publications

# Safety Switches

## General Duty, Type TG

Spec-Setter™ Safety Switches

30-600 Amperes

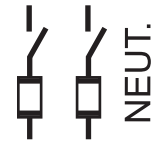
240 Volts AC

250 Volts DC

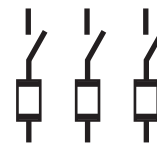
## Section 2

### Cartridge Fuse, Type TG Switches

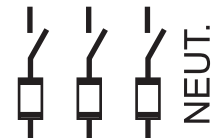
- Designed for residential or light commercial application where duty is not severe.
- UL Listed. Products in this section have been tested by UL and shown to meet the construction and performance requirements of UL Standard Number 98, Enclosed and Dead Front Switches.
- Meet or exceed NEMA Enclosed Switch Standard KS1-1990 for Type GD.
- CSA certified.
- 60°C and 75°C conductor rating.
- Feature quick-make, quick-break mechanisms (30-200 amps).
- Suitable for use as service entrance equipment when installed in accordance with National Electrical Code.
- 30-200 amp fusible switches are rated 100,000 rms amps, sym IC when used with Class R fuses.
- Order appropriate Class R Fusing Kit from pages 2-27 and 2-28.
- Bottom-feed version available for 200-600 amp, NEMA 1 only.



Fusible, Two-pole, 120/240 and 240 Volts AC; 250 Volts DC (30-100 amps only); Three-wire SN, 240 Volts AC



Fusible, Three-pole, 240 Volts AC



Fusible, Four-wire SN, 208/120 and 240 Volts AC



No Fuse, Two-pole, 240 Volts AC; 250 Volts DC (30-100 amps only); Three-pole, 240 Volts AC or Two-pole with Switching Neutral



# Safety Switches General Duty, Type TG

Spec-Setter™ Safety Switches

30-600 Amperes

240 Volts AC

250 Volts DC

## Section 2

### Fusible, Two-pole, 120/240 and 240 Volts AC; 250 Volts DC (30-100 amps only); Three-wire SN, 240 Volts AC

| Ampere Rating | Enclosure Type | HP, 240 Vac, NEC Std, 1-ph | HP, 240 Vac, NEC Std, 3-ph | HP, 240 Vac, Time Delay, 1-ph | HP, 240 Vac, Time Delay, 3-ph | HP, 125 Vdc | HP, 250 Vdc | Product Number      | List Price GO-131A |
|---------------|----------------|----------------------------|----------------------------|-------------------------------|-------------------------------|-------------|-------------|---------------------|--------------------|
| 30A           | NEMA Type 1    | 1 1/2                      | 3                          | 3                             | 7 1/2                         | 2           | 5           | TG3221 <sup>1</sup> | \$77.00            |
| 60A           | NEMA Type 1    | 3                          | 7 1/2                      | 10                            | 15                            | 3           | 10          | TG3222              | \$135.00           |
| 100A          | NEMA Type 1    | 7 1/2                      | 15                         | 15                            | 30                            | –           | 20          | TG3223              | \$277.00           |
| 200A          | NEMA Type 1    | 15                         | 25                         | 15                            | 50                            | –           | –           | TG3224              | \$579.00           |
| 400A          | NEMA Type 1    | –                          | 50                         | –                             | 100                           | –           | –           | TG3225              | \$1628.00          |
| 600A          | NEMA Type 1    | –                          | 75                         | –                             | 100                           | –           | –           | TG3226              | \$3253.00          |
| 30A           | NEMA Type 3R   | 1 1/2                      | 3                          | 3                             | 7 1/2                         | 2           | 5           | TG3221R             | \$124.00           |
| 60A           | NEMA Type 3R   | 3                          | 7 1/2                      | 10                            | 15                            | 3           | 10          | TG3222R             | \$213.00           |
| 100A          | NEMA Type 3R   | 7 1/2                      | 15                         | 15                            | 30                            | –           | 20          | TG3223R             | \$313.00           |
| 200A          | NEMA Type 3R   | 15                         | 25                         | 15                            | 50                            | –           | –           | TG3224R             | \$779.00           |
| 400A          | NEMA Type 3R   | –                          | 50                         | –                             | 100                           | –           | –           | TG3225R             | \$2197.00          |
| 600A          | NEMA Type 3R   | –                          | 75                         | –                             | 100                           | –           | –           | TG3226R             | \$4167.00          |

### Fusible, Three-pole, 240 Volts AC

| Ampere Rating | Enclosure Type | HP, 240 Vac, NEC Std, 1-ph | HP, 240 Vac, NEC Std, 3-ph | HP, 240 Vac, Time Delay, 1-ph | HP, 240 Vac, Time Delay, 3-ph | HP, 125 Vdc | HP, 250 Vdc | Product Number      | List Price GO-131A |
|---------------|----------------|----------------------------|----------------------------|-------------------------------|-------------------------------|-------------|-------------|---------------------|--------------------|
| 30A           | NEMA Type 1    | 1 1/2                      | 3                          | 3                             | 7 1/2                         | –           | 5           | TG4321 <sup>1</sup> | \$126.00           |
| 60A           | NEMA Type 1    | 3                          | 7 1/2                      | 10                            | 15                            | 3           | 10          | TG4322              | \$213.00           |
| 100A          | NEMA Type 1    | 7 1/2                      | 15                         | 15                            | 30                            | –           | 20          | TG4323              | \$366.00           |
| 200A          | NEMA Type 1    | 15                         | 25                         | 15                            | 50                            | –           | –           | TG4324              | \$788.00           |
| 400A          | NEMA Type 1    | –                          | 50                         | –                             | 100                           | –           | –           | TG3325              | \$1737.00          |
| 600A          | NEMA Type 1    | –                          | 75                         | –                             | 100                           | –           | –           | TG3326              | \$3482.00          |
| 30A           | NEMA Type 3R   | 1 1/2                      | 3                          | 3                             | 7 1/2                         | –           | 5           | TG4321R             | \$193.00           |
| 60A           | NEMA Type 3R   | 3                          | 7 1/2                      | 10                            | 15                            | 3           | 10          | TG4322R             | \$286.00           |
| 100A          | NEMA Type 3R   | 7 1/2                      | 15                         | 15                            | 30                            | –           | 20          | TG4323R             | \$527.00           |
| 200A          | NEMA Type 3R   | 15                         | 25                         | 15                            | 50                            | –           | –           | TG4324R             | \$957.00           |
| 400A          | NEMA Type 3R   | –                          | 50                         | –                             | 100                           | –           | –           | TG3325R             | \$2251.00          |
| 600A          | NEMA Type 3R   | –                          | 75                         | –                             | 100                           | –           | –           | TG3326R             | \$4857.00          |

### Fusible, Four-wire SN, 208/120 and 240 Volts AC

| Ampere Rating | Enclosure Type | HP, 240 Vac, NEC Std, 1-ph | HP, 240 Vac, NEC Std, 3-ph | HP, 240 Vac, Time Delay, 1-ph | HP, 240 Vac, Time Delay, 3-ph | HP, 125 Vdc | HP, 250 Vdc | Product Number       | List Price GO-131A |
|---------------|----------------|----------------------------|----------------------------|-------------------------------|-------------------------------|-------------|-------------|----------------------|--------------------|
| 30A           | NEMA Type 1    | 1 1/2                      | 3                          | 3                             | 7 1/2                         | –           | 5           | TG4321 <sup>1</sup>  | \$126.00           |
| 60A           | NEMA Type 1    | 3                          | 7 1/2                      | 10                            | 15                            | 3           | 10          | TG4322               | \$213.00           |
| 100A          | NEMA Type 1    | 7 1/2                      | 15                         | 15                            | 30                            | –           | 20          | TG4323               | \$366.00           |
| 200A          | NEMA Type 1    | 15                         | 25                         | 15                            | 50                            | –           | –           | TG4324               | \$788.00           |
| 400A          | NEMA Type 1    | –                          | 50                         | –                             | 100                           | –           | –           | TG4325               | \$1985.00          |
| 600A          | NEMA Type 1    | –                          | 75                         | –                             | 100                           | –           | –           | TG4326               | \$3704.00          |
| 30A           | NEMA Type 3R   | 1 1/2                      | 3                          | 3                             | 7 1/2                         | –           | 5           | TG4321R              | \$193.00           |
| 60A           | NEMA Type 3R   | 3                          | 7 1/2                      | 10                            | 15                            | 3           | 10          | TG4322R              | \$286.00           |
| 100A          | NEMA Type 3R   | 7 1/2                      | 15                         | 15                            | 30                            | –           | 20          | TG4323R              | \$527.00           |
| 200A          | NEMA Type 3R   | 15                         | 25                         | 15                            | 50                            | –           | –           | TG4324R              | \$957.00           |
| 400A          | NEMA Type 3R   | –                          | 50                         | –                             | 100                           | –           | –           | TG3325R <sup>2</sup> | \$2251.00          |
|               |                |                            |                            |                               |                               |             |             | TNI65                | \$232.00           |
| 600A          | NEMA Type 3R   | –                          | 75                         | –                             | 100                           | –           | –           | TG3326R <sup>2</sup> | \$4857.00          |
|               |                |                            |                            |                               |                               |             |             | TNI66                | \$232.00           |

### No Fuse, Two-pole<sup>4</sup>, 240 Volts AC; 250 Volts DC (30-100 amps only); Three-pole, 240 Volts AC or Two-pole with Switching Neutral

| Ampere Rating | Enclosure Type | HP, 240 Vac, NEC Std, 1-ph | HP, 240 Vac, NEC Std, 3-ph | HP, 240 Vac, Time Delay, 1-ph | HP, 240 Vac, Time Delay, 3-ph | HP, 125 Vdc | HP, 250 Vdc | Product Number        | List Price GO-131A |
|---------------|----------------|----------------------------|----------------------------|-------------------------------|-------------------------------|-------------|-------------|-----------------------|--------------------|
| 30A           | NEMA Type 1    | 3                          | 7 1/2                      | 3                             | 7 1/2                         | –           | 5           | TGN3321 <sup>1</sup>  | \$102.00           |
| 60A           | NEMA Type 1    | 10                         | 15                         | 10                            | 15                            | 3           | 10          | TGN3322 <sup>3</sup>  | \$135.00           |
| 100A          | NEMA Type 1    | 15                         | 30                         | 15                            | 30                            | –           | 20          | TGN3323 <sup>3</sup>  | \$313.00           |
| 200A          | NEMA Type 1    | 15                         | 50                         | 15                            | 50                            | –           | –           | TGN3324               | \$579.00           |
| 400A          | NEMA Type 1    | –                          | 100                        | –                             | 100                           | –           | –           | TGN3325               | \$1397.00          |
| 600A          | NEMA Type 1    | –                          | 100                        | –                             | 100                           | –           | –           | TGN3326               | \$2667.00          |
| 30A           | NEMA Type 3R   | 3                          | 7 1/2                      | 3                             | 7 1/2                         | –           | 5           | TGN3321R              | \$193.00           |
| 60A           | NEMA Type 3R   | 10                         | 15                         | 10                            | 15                            | 3           | 10          | TGN3322R <sup>3</sup> | \$286.00           |
| 100A          | NEMA Type 3R   | 15                         | 30                         | 15                            | 30                            | –           | 20          | TGN3323R <sup>3</sup> | \$527.00           |
| 200A          | NEMA Type 3R   | 15                         | 50                         | 15                            | 50                            | –           | –           | TGN3324R              | \$957.00           |

For Type 1 Enclosure: 200-600 amp devices available factory reversed for bottom feed. Add "B" suffix to product number (e.g., TG3224B). **List Price adder \$44.00, GO-131A** UL Listed.

For Type 3R Enclosure: 30-200 amp devices have removable closing cap. Order hubs for these devices separately on page 2-28. Larger amp devices require field cut openings and **customer-supplied** hub.

NEMA Type 3R No Fuse versions, 400-600 ampere rating, available in heavy duty, type TH models.

<sup>1</sup>Packaged five per carton.

<sup>2</sup>For 4 wire applications order neutral kit separately. See page 2-23.

<sup>3</sup>Not suitable for use as service equipment. Solid neutral not available.

<sup>4</sup>Use three-pole switch for two-pole application.



**Publications and Reference:** See Section 22 for a complete list of additional product-related publications

# Safety Switches

## Heavy Duty, Type TH

Spec-Setter™ Safety Switches

30-1200 Amperes

240 Volts AC

250 Volts DC

## Section 2

### Cartridge Fuse, Type TH Switches

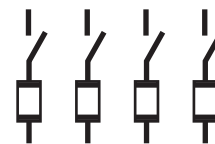
- Designed for applications where safety, high performance and continuity of service are required.
- UL Listed. Products in this section have been tested by UL and shown to meet the construction and performance requirements of UL Standard Number 98, Enclosed and Dead Front Switches.
- CSA Certified.
- Meet Federal Specification WS-865C for heavy duty switches.
- Meet major automotive manufacturer's and JIC electrical specifications.
- Meet NEMA Enclosed Safety Switch Standard KS1-1990 for Type HD.
- Full cover interlocks.
- 60°C and 75°C conductor ratings.
- Quick-make, quick-break mechanisms.
- Suitable for use as service entrance equipment when installed in accordance with the National Electrical Code.
- UL Listed ratings for fusible switches when used with these fuses:
  - Class H (10,000 rms amps, sym IC). Standard on 30-600 amps.
  - Class L (100,000 rms amps, sym IC). Only applicable when used with 800 and 1200 amp Type TC Safety Switches (e.g. TC72367)
  - Class J (200,000 rms amps, sym IC). See page 2-27 for field conversion details.
  - Class R (200,000 rms amps, sym IC). Order appropriate Class R fusing kit from page 2-27.
- Safety switch product numbers with suffix "SS" are grade 304 stainless steel. Product numbers with suffix "SS316" are grade 316 stainless steel.

### Type TH Interrupting and Withstandability Ratings

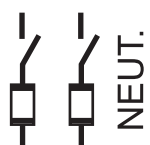
| Ampere Rating | Interrupting Rating Amps<br>Symmetrical 600 volts AC, 3-phase | Fuse Clearing |
|---------------|---------------------------------------------------------------|---------------|
| 30A           | 360                                                           | 50            |
| 60A           | 1200                                                          | 200           |
| 100A          | 1200                                                          | 500           |
| 200A          | 3,400                                                         | 2,000         |
| 400A          | 10,000                                                        | 6,000         |
| 600A          | 10,000                                                        | 12,000        |



Fusible, Two-pole,  
240 Volts AC; 250 Volts DC  
and Two-pole,  
600 Volts DC, Fusible



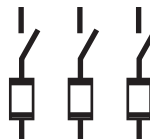
Four-pole, 480 and 600 Volts  
AC, Fusible



Fusible, Three-wire SN,  
120/240 and 240 Volts AC



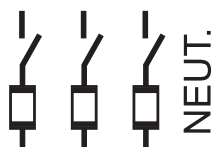
Two-pole, 600 Volts DC,  
No Fuse



Fusible, Three-pole, 240 Volts  
AC and Three-pole,  
480, 480Y/277 and 600 Volts  
AC-250 Volts DC, Fusible



Three-pole, 480 and  
600 Volts AC-250 Volts DC or  
Two-pole with Switching  
Neutral, No Fuse



Fusible, Four-wire SN,  
208/120 and 240 Volts AC



Four-pole, 480 and  
600 Volts DC, No Fuse



# Safety Switches Heavy Duty, Type TH

Spec-Setter™ Safety Switches

30-1200 Amperes

240 Volts AC

250 Volts DC

## Section 2

### Fusible, Two-pole, 240 Volts AC; 250 Volts DC

| Ampere Rating | Enclosure Type  | HP, 240 Vac, NEC Std, 1-ph | HP, 240 Vac, NEC Std, 3-ph | HP, 240 Vac, Time Delay, 1-ph | HP, 240 Vac, Time Delay, 3-ph | HP, 125 Vdc | HP, 250 Vdc | Product Number          | List Price GO-131 |
|---------------|-----------------|----------------------------|----------------------------|-------------------------------|-------------------------------|-------------|-------------|-------------------------|-------------------|
| 30A           | NEMA Type 1     | 1 1/2                      | 3                          | 3                             | 7 1/2                         | –           | 5           | TH3221                  | \$153.00          |
| 60A           | NEMA Type 1     | 3                          | 7 1/2                      | 10                            | 15                            | 5           | 10          | TH3222                  | \$300.00          |
| 100A          | NEMA Type 1     | 7 1/2                      | 15                         | 15                            | 30                            | –           | 20          | TH3223                  | \$467.00          |
| 200A          | NEMA Type 1     | 15                         | 25                         | –                             | 60                            | –           | 40          | TH3224                  | \$830.00          |
| 400A          | NEMA Type 1     | –                          | 50                         | –                             | 125                           | –           | 50          | TH3225                  | \$1948.00         |
| 600A          | NEMA Type 1     | –                          | 75                         | –                             | 200                           | –           | –           | TH3226                  | \$3670.00         |
| 800A          | NEMA Type 1     | –                          | –                          | –                             | –                             | –           | –           | TC72267 <sup>1,3</sup>  | \$6996.00         |
| 1200A         | NEMA Type 1     | –                          | –                          | –                             | –                             | –           | –           | TC72268 <sup>1</sup>    | \$9614.00         |
| 30A           | NEMA Type 3R    | 1 1/2                      | 3                          | 3                             | 7 1/2                         | –           | 5           | TH3221R                 | \$291.00          |
| 60A           | NEMA Type 3R    | 3                          | 7 1/2                      | 10                            | 15                            | 5           | 10          | TH3222R                 | \$542.00          |
| 100A          | NEMA Type 3R    | 7 1/2                      | 15                         | 15                            | 30                            | –           | 20          | TH3223R                 | \$702.00          |
| 200A          | NEMA Type 3R    | 15                         | 25                         | –                             | 60                            | –           | 40          | TH3224R                 | \$1006.00         |
| 400A          | NEMA Type 3R    | –                          | 50                         | –                             | 125                           | –           | 50          | TH3225R                 | \$2450.00         |
| 600A          | NEMA Type 3R    | –                          | 75                         | –                             | 200                           | –           | 50          | TH3226R                 | \$4590.00         |
| 800A          | NEMA Type 3R    | –                          | –                          | –                             | –                             | –           | –           | TC72267R <sup>2,3</sup> | \$8975.00         |
| 1200A         | NEMA Type 3R    | –                          | –                          | –                             | –                             | –           | –           | TC72268R <sup>2</sup>   | \$13127.00        |
| 30A           | NEMA Type 4/4X  | 1 1/2                      | 3                          | 3                             | 7 1/2                         | –           | 5           | TH2221SS                | \$1218.00         |
| 60A           | NEMA Type 4/4X  | 3                          | 7 1/2                      | 10                            | 15                            | 5           | 10          | TH2222SS                | \$1463.00         |
| 100A          | NEMA Type 4/4X  | 7 1/2                      | 15                         | 15                            | 30                            | –           | 20          | TH3223SS                | \$3309.00         |
| 200A          | NEMA Type 4/4X  | 15                         | 25                         | –                             | 60                            | –           | 40          | TH3224SS                | \$4538.00         |
| 400A          | NEMA Type 4/4X  | –                          | 50                         | –                             | 125                           | –           | 50          | TH3225SS                | \$9114.00         |
| 600A          | NEMA Type 4/4X  | –                          | 75                         | –                             | 200                           | –           | 50          | TH3226SS                | \$13008.00        |
| 30A           | NEMA Type 5, 12 | 1 1/2                      | 3                          | 3                             | 7 1/2                         | –           | 5           | TH2221J                 | \$295.00          |
| 60A           | NEMA Type 5, 12 | 3                          | 7 1/2                      | 10                            | 15                            | 5           | 10          | TH2222J                 | \$398.00          |
| 100A          | NEMA Type 5, 12 | 7 1/2                      | 15                         | 15                            | 30                            | –           | 20          | TH3223J                 | \$678.00          |
| 200A          | NEMA Type 5, 12 | 15                         | 25                         | –                             | 60                            | –           | 40          | TH3224J                 | \$1058.00         |
| 400A          | NEMA Type 5, 12 | –                          | 50                         | –                             | 125                           | –           | 50          | TH3225J                 | \$2623.00         |
| 600A          | NEMA Type 5, 12 | –                          | 75                         | –                             | 200                           | –           | 50          | TH3226J                 | \$4281.00         |

### Fusible, Three-wire SN, 120/240 and 240 Volts AC

| Ampere Rating | Enclosure Type  | HP, 240 Vac, NEC Std, 1-ph | HP, 240 Vac, NEC Std, 3-ph | HP, 240 Vac, Time Delay, 1-ph | HP, 240 Vac, Time Delay, 3-ph | HP, 125 Vdc | HP, 250 Vdc | Product Number          | List Price GO-131 |
|---------------|-----------------|----------------------------|----------------------------|-------------------------------|-------------------------------|-------------|-------------|-------------------------|-------------------|
| 30A           | NEMA Type 1     | 1 1/2                      | 3                          | 3                             | 7 1/2                         | –           | 5           | TH3221                  | \$153.00          |
| 60A           | NEMA Type 1     | 3                          | 7 1/2                      | 10                            | 15                            | 5           | 10          | TH3222                  | \$300.00          |
| 100A          | NEMA Type 1     | 7 1/2                      | 15                         | 15                            | 30                            | –           | 20          | TH3223                  | \$467.00          |
| 200A          | NEMA Type 1     | 15                         | 25                         | –                             | 60                            | –           | 40          | TH3224                  | \$830.00          |
| 400A          | NEMA Type 1     | –                          | 50                         | –                             | 125                           | –           | 50          | TH3225                  | \$1948.00         |
| 600A          | NEMA Type 1     | –                          | 75                         | –                             | 200                           | –           | 50          | TH3226                  | \$3670.00         |
| 800A          | NEMA Type 1     | –                          | –                          | –                             | –                             | –           | –           | TC72267 <sup>1,3</sup>  | \$6996.00         |
| 1200A         | NEMA Type 1     | –                          | –                          | –                             | –                             | –           | –           | TNI67                   | \$490.00          |
|               |                 |                            |                            |                               |                               |             |             | TC72268 <sup>1,3</sup>  | \$9614.00         |
|               |                 |                            |                            |                               |                               |             |             | TNI68A                  | \$675.00          |
| 30A           | NEMA Type 3R    | 1 1/2                      | 3                          | 3                             | 7 1/2                         | –           | 5           | TH3221R                 | \$291.00          |
| 60A           | NEMA Type 3R    | 3                          | 7 1/2                      | 10                            | 15                            | 5           | 10          | TH3222R                 | \$542.00          |
| 100A          | NEMA Type 3R    | 7 1/2                      | 15                         | 15                            | 30                            | –           | 20          | TH3223R                 | \$702.00          |
| 200A          | NEMA Type 3R    | 15                         | 25                         | –                             | 60                            | –           | 40          | TH3224R                 | \$1006.00         |
| 400A          | NEMA Type 3R    | –                          | 50                         | –                             | 125                           | –           | 50          | TH3225R                 | \$2450.00         |
| 600A          | NEMA Type 3R    | –                          | 75                         | –                             | 200                           | –           | 50          | TH3226R                 | \$4590.00         |
| 800A          | NEMA Type 3R    | –                          | –                          | –                             | –                             | –           | –           | TC72267R <sup>2,3</sup> | \$8975.00         |
| 1200A         | NEMA Type 3R    | –                          | –                          | –                             | –                             | –           | –           | TC72268R <sup>2,3</sup> | \$13127.00        |
|               |                 |                            |                            |                               |                               |             |             | TNI68A                  | \$675.00          |
| 30A           | NEMA Type 4/4X  | 1 1/2                      | 3                          | 3                             | 7 1/2                         | –           | 5           | TH3221SS                | \$1260.00         |
| 60A           | NEMA Type 4/4X  | 3                          | 7 1/2                      | 10                            | 15                            | 5           | 10          | TH3222SS                | \$1526.00         |
| 100A          | NEMA Type 4/4X  | 7 1/2                      | 15                         | 15                            | 30                            | –           | 20          | TH3223SS                | \$3309.00         |
| 200A          | NEMA Type 4/4X  | 15                         | 25                         | –                             | 60                            | –           | 40          | TH3224SS                | \$4538.00         |
| 400A          | NEMA Type 4/4X  | –                          | 50                         | –                             | 125                           | –           | 50          | TH3225SS                | \$9114.00         |
| 600A          | NEMA Type 4/4X  | –                          | 75                         | –                             | 200                           | –           | 50          | TH3226SS                | \$13008.00        |
| 30A           | NEMA Type 5, 12 | 1 1/2                      | 3                          | 3                             | 7 1/2                         | –           | 5           | TH3221J                 | \$345.00          |
| 60A           | NEMA Type 5, 12 | 3                          | 7 1/2                      | 10                            | 15                            | 5           | 10          | TH3222J                 | \$462.00          |
| 100A          | NEMA Type 5, 12 | 7 1/2                      | 15                         | 15                            | 30                            | –           | 20          | TH3223J                 | \$678.00          |
| 200A          | NEMA Type 5, 12 | 15                         | 25                         | –                             | 60                            | –           | 40          | TH3224J                 | \$1058.00         |
| 400A          | NEMA Type 5, 12 | –                          | 50                         | –                             | 125                           | –           | 50          | TH3225J                 | \$2623.00         |
| 600A          | NEMA Type 5, 12 | –                          | 75                         | –                             | 200                           | –           | 50          | TH3226J                 | \$4281.00         |

<sup>1</sup>Class L fuses are only applicable when used with 800 and 1200A Type TC Safety Switches (e.g. TC72367).

<sup>2</sup>Not CSA certified.

<sup>3</sup>Order switch and neutral separately.



**Publications and Reference:** See Section 22 for a complete list of additional product-related publications

# Safety Switches Heavy Duty, Type TH

Spec-Setter™ Safety Switches

30-1200 Amperes

240 Volts AC

250 Volts DC

## Section 2

### Fusible, Three-pole, 240 Volts AC

| Ampere Rating | Enclosure Type  | HP, 240 Vac, NEC Std, 1-ph | HP, 240 Vac, NEC Std, 3-ph | HP, 240 Vac, Time Delay, 1-ph | HP, 240 Vac, Time Delay, 3-ph | HP, 125 Vdc | HP, 250 Vdc | Product Number          | List Price GO-131 |
|---------------|-----------------|----------------------------|----------------------------|-------------------------------|-------------------------------|-------------|-------------|-------------------------|-------------------|
| 30A           | NEMA Type 1     | 1 1/2                      | 3                          | 3                             | 7 1/2                         | –           | 5           | TH4321                  | \$203.00          |
| 60A           | NEMA Type 1     | 3                          | 7 1/2                      | 10                            | 15                            | 5           | 10          | TH4322                  | \$344.00          |
| 100A          | NEMA Type 1     | 7 1/2                      | 15                         | 15                            | 30                            | –           | 20          | TH4323                  | \$542.00          |
| 200A          | NEMA Type 1     | 15                         | 25                         | –                             | 60                            | –           | 40          | TH4324                  | \$932.00          |
| 400A          | NEMA Type 1     | –                          | 50                         | –                             | 125                           | –           | 50          | TH3325                  | \$2157.00         |
| 600A          | NEMA Type 1     | –                          | 75                         | –                             | 200                           | –           | 50          | TH3326                  | \$3889.00         |
| 800A          | NEMA Type 1     | –                          | –                          | –                             | –                             | –           | –           | TC72367 <sup>1,3</sup>  | \$9661.00         |
| 1200A         | NEMA Type 1     | –                          | –                          | –                             | –                             | –           | –           | TC72368 <sup>1,3</sup>  | \$12688.00        |
| 30A           | NEMA Type 3R    | 1 1/2                      | 3                          | 3                             | 7 1/2                         | –           | 5           | TH4321R                 | \$364.00          |
| 60A           | NEMA Type 3R    | 3                          | 7 1/2                      | 10                            | 15                            | 5           | 10          | TH4322R                 | \$573.00          |
| 100A          | NEMA Type 3R    | 7 1/2                      | 15                         | 15                            | 30                            | –           | 20          | TH4323R                 | \$821.00          |
| 200A          | NEMA Type 3R    | 15                         | 25                         | –                             | 60                            | –           | 40          | TH4324R                 | \$1130.00         |
| 400A          | NEMA Type 3R    | –                          | 50                         | –                             | 125                           | –           | 50          | TH3325R                 | \$2501.00         |
| 600A          | NEMA Type 3R    | –                          | 75                         | –                             | 200                           | –           | 50          | TH3326R                 | \$5235.00         |
| 800A          | NEMA Type 3R    | –                          | –                          | –                             | –                             | –           | –           | TC72367R <sup>2,3</sup> | \$11966.00        |
| 1200A         | NEMA Type 3R    | –                          | –                          | –                             | –                             | –           | –           | TC72368R <sup>2,3</sup> | \$15546.00        |
| 30A           | NEMA Type 4/4X  | 1 1/2                      | 3                          | 3                             | 7 1/2                         | –           | 5           | TH3321SS                | \$1294.00         |
| 60A           | NEMA Type 4/4X  | 3                          | 7 1/2                      | 10                            | 15                            | 5           | 10          | TH3322SS                | \$1597.00         |
| 100A          | NEMA Type 4/4X  | 7 1/2                      | 15                         | 15                            | 30                            | –           | 20          | TH4323SS                | \$3380.00         |
| 200A          | NEMA Type 4/4X  | 15                         | 25                         | –                             | 60                            | –           | 40          | TH4324SS                | \$4733.00         |
| 400A          | NEMA Type 4/4X  | –                          | 50                         | –                             | 125                           | –           | 50          | TH4325SS                | \$9542.00         |
| 600A          | NEMA Type 4/4X  | –                          | 75                         | –                             | 200                           | –           | 50          | TH4326SS                | \$13570.00        |
| 30A           | NEMA Type 5, 12 | 1 1/2                      | 3                          | 3                             | 7 1/2                         | –           | 5           | TH3321J                 | \$391.00          |
| 60A           | NEMA Type 5, 12 | 3                          | 7 1/2                      | 10                            | 15                            | 5           | 10          | TH3322J                 | \$551.00          |
| 100A          | NEMA Type 5, 12 | 7 1/2                      | 15                         | 15                            | 30                            | –           | 20          | TH4323J                 | \$881.00          |
| 200A          | NEMA Type 5, 12 | 15                         | 25                         | –                             | 60                            | –           | 40          | TH4324J                 | \$1262.00         |
| 400A          | NEMA Type 5, 12 | –                          | 50                         | –                             | 125                           | –           | 50          | TH4325J                 | \$2896.00         |
| 600A          | NEMA Type 5, 12 | –                          | 75                         | –                             | 200                           | –           | 50          | TH4326J                 | \$4657.00         |

### Fusible, Four-wire SN, 208/120 and 240 Volts AC

| Ampere Rating | Enclosure Type  | HP, 240 Vac, NEC Std, 1-ph | HP, 240 Vac, NEC Std, 3-ph | HP, 240 Vac, Time Delay, 1-ph | HP, 240 Vac, Time Delay, 3-ph | HP, 125 Vdc | HP, 250 Vdc | Product Number          | List Price GO-131 |
|---------------|-----------------|----------------------------|----------------------------|-------------------------------|-------------------------------|-------------|-------------|-------------------------|-------------------|
| 30A           | NEMA Type 1     | 1 1/2                      | 3                          | 3                             | 7 1/2                         | –           | 5           | TH4321                  | \$203.00          |
| 60A           | NEMA Type 1     | 3                          | 7 1/2                      | 10                            | 15                            | 5           | 10          | TH4322                  | \$344.00          |
| 100A          | NEMA Type 1     | 7 1/2                      | 15                         | 15                            | 30                            | –           | 20          | TH4323                  | \$542.00          |
| 200A          | NEMA Type 1     | 15                         | 25                         | –                             | 60                            | –           | 40          | TH4324                  | \$932.00          |
| 400A          | NEMA Type 1     | –                          | 50                         | –                             | 125                           | –           | 50          | TH4325                  | \$2391.00         |
| 600A          | NEMA Type 1     | –                          | 75                         | –                             | 200                           | –           | 50          | TH4326                  | \$4116.00         |
| 800A          | NEMA Type 1     | –                          | –                          | –                             | –                             | –           | –           | TC72367 <sup>1,3</sup>  | \$9661.00         |
|               |                 |                            |                            |                               |                               |             |             | TN167                   | \$490.00          |
| 1200A         | NEMA Type 1     | –                          | –                          | –                             | –                             | –           | –           | TC72368 <sup>1,3</sup>  | \$12688.00        |
|               |                 |                            |                            |                               |                               |             |             | TN168A                  | \$675.00          |
| 30A           | NEMA Type 3R    | 1 1/2                      | 3                          | 3                             | 7 1/2                         | –           | 5           | TH4321R                 | \$364.00          |
| 60A           | NEMA Type 3R    | 3                          | 7 1/2                      | 10                            | 15                            | 5           | 10          | TH4322R                 | \$573.00          |
| 100A          | NEMA Type 3R    | 7 1/2                      | 15                         | 15                            | 30                            | –           | 20          | TH4323R                 | \$821.00          |
| 200A          | NEMA Type 3R    | 15                         | 25                         | –                             | 60                            | –           | 40          | TH4324R                 | \$1130.00         |
| 400A          | NEMA Type 3R    | –                          | 50                         | –                             | 125                           | –           | 50          | TH3325R                 | \$2501.00         |
| 600A          | NEMA Type 3R    | –                          | 75                         | –                             | 200                           | –           | 50          | TH3326R                 | \$5235.00         |
| 800A          | NEMA Type 3R    | –                          | –                          | –                             | –                             | –           | –           | TC72367R <sup>2,3</sup> | \$11966.00        |
|               |                 |                            |                            |                               |                               |             |             | TN167                   | \$490.00          |
| 1200A         | NEMA Type 3R    | –                          | –                          | –                             | –                             | –           | –           | TC72368R <sup>2,3</sup> | \$15546.00        |
|               |                 |                            |                            |                               |                               |             |             | TN168A                  | \$675.00          |
| 30A           | NEMA Type 4/4X  | 1 1/2                      | 3                          | 3                             | 7 1/2                         | –           | 5           | TH4321SS                | \$1355.00         |
| 60A           | NEMA Type 4/4X  | 3                          | 7 1/2                      | 10                            | 15                            | 5           | 10          | TH4322SS                | \$1654.00         |
| 100A          | NEMA Type 4/4X  | 7 1/2                      | 15                         | 15                            | 30                            | –           | 20          | TH4323SS                | \$3380.00         |
| 200A          | NEMA Type 4/4X  | 15                         | 25                         | –                             | 60                            | –           | 40          | TH4324SS                | \$4733.00         |
| 400A          | NEMA Type 4/4X  | –                          | 50                         | –                             | 125                           | –           | 50          | TH4325SS                | \$9542.00         |
| 600A          | NEMA Type 4/4X  | –                          | 75                         | –                             | 200                           | –           | 50          | TH4326SS                | \$13570.00        |
| 30A           | NEMA Type 5, 12 | 1 1/2                      | 3                          | 3                             | 7 1/2                         | –           | 5           | TH4321J                 | \$445.00          |
| 60A           | NEMA Type 5, 12 | 3                          | 7 1/2                      | 10                            | 15                            | 5           | 10          | TH4322J                 | \$599.00          |
| 100A          | NEMA Type 5, 12 | 7 1/2                      | 15                         | 15                            | 30                            | –           | 20          | TH4323J                 | \$881.00          |
| 200A          | NEMA Type 5, 12 | 15                         | 25                         | –                             | 60                            | –           | 40          | TH4324J                 | \$1262.00         |
| 400A          | NEMA Type 5, 12 | –                          | 50                         | –                             | 125                           | –           | 50          | TH4325J                 | \$2896.00         |
| 600A          | NEMA Type 5, 12 | –                          | 75                         | –                             | 200                           | –           | 50          | TH4326J                 | \$4657.00         |

### 240 Volts - No fuse or Four-pole, 240 Volts AC, Use 600-Volt switches on page 2-9 through 2-12.

For Type 1 Enclosure: 200-600 amp devices available factory reversed for bottom feed. Add "B" suffix to product number (e.g., TH3224B) List Price Adder \$44.00, GO-131A. UL Listed.

For Type 3R Enclosure: 30-200 amp devices have removable closing cap. Order hubs for these devices separately on page 2-28. Larger amp devices require field cut openings and **customer-supplied** hub.

<sup>1</sup>Class L fuses are only applicable when used with 800 and 1200A Type TC Safety Switches (e.g. TC72367).

<sup>2</sup>Not CSA certified.

<sup>3</sup>Order switch and neutral separately



# Safety Switches Heavy Duty, Type TH

Spec-Setter™ Safety Switches

30-1200 Amperes

240, 480, 600 Volts AC

600 Volts DC

## Section 2

### Two-pole 600 Volts DC, Fusible

| Ampere Rating | Enclosure Type  | HP, 480 Vac, NEC Std, 3-ph | HP, 600 Vac NEC Std, 3-ph | HP, 480 Vac Time Delay, 3-ph | HP, 600 Vac, Time Delay, 3-ph | HP, 125 Vdc | HP, 250 Vdc | HP, 600 Vdc | Product Number | List Price GO-131 |
|---------------|-----------------|----------------------------|---------------------------|------------------------------|-------------------------------|-------------|-------------|-------------|----------------|-------------------|
| 30A           | NEMA Type 1     | –                          | –                         | –                            | –                             | –           | –           | 15          | TH2261DC       | \$344.00          |
| 60A           | NEMA Type 1     | –                          | –                         | –                            | –                             | –           | –           | 25          | TH2262DC       | \$417.00          |
| 100A          | NEMA Type 1     | –                          | –                         | –                            | –                             | –           | –           | 25          | TH2263DC       | \$763.00          |
| 30A           | NEMA Type 3R    | –                          | –                         | –                            | –                             | –           | –           | 15          | TH2261RDC      | \$579.00          |
| 60A           | NEMA Type 3R    | –                          | –                         | –                            | –                             | –           | –           | 25          | TH2262RDC      | \$678.00          |
| 100A          | NEMA Type 3R    | –                          | –                         | –                            | –                             | –           | –           | 25          | TH2263RDC      | \$1058.00         |
| 30A           | NEMA Type 4/4X  | –                          | –                         | –                            | –                             | –           | –           | 15          | TH2261SSDC     | \$1578.00         |
| 60A           | NEMA Type 4/4X  | –                          | –                         | –                            | –                             | –           | –           | 25          | TH2262SSDC     | \$1639.00         |
| 100A          | NEMA Type 4/4X  | –                          | –                         | –                            | –                             | –           | –           | 25          | TH2263SSDC     | \$3473.00         |
| 30A           | NEMA Type 5, 12 | –                          | –                         | –                            | –                             | –           | –           | 15          | TH2261JDC      | \$538.00          |
| 60A           | NEMA Type 5, 12 | –                          | –                         | –                            | –                             | –           | –           | 25          | TH2262JDC      | \$563.00          |
| 100A          | NEMA Type 5, 12 | –                          | –                         | –                            | –                             | –           | –           | 25          | TH2263JDC      | \$930.00          |

For Type 1 Enclosure: 200-600 amp devices available factory reversed for bottom feed. Add "B" suffix to product number (e.g., TH33365B). List Price adder \$44.00, GO-131. UL Listed.

For Type 3R Enclosure: 30-200 amp devices have removable closing cap. Order hubs for these devices separately on page 2-28. Larger amp devices require field cut openings and **customer-supplied** hub.



**Publications and Reference:** See Section 22 for a complete list of additional product-related publications

# Safety Switches Heavy Duty, Type TH

Spec-Setter™ Safety Switches

30-1200 Amperes

240, 480, 600 Volts AC

600 Volts DC

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## Section 2



TH3361RF

### Three-pole, 480, 480Y/277<sup>1</sup> and 600 Volts AC-250 DC, Fusible

| Ampere Rating | Enclosure Type      | HP, 480 Vac, NEC Std, 3-ph | HP, 600 Vac, NEC Std, 3-ph | HP, 480 Vac, Time Delay, 3-ph | HP, 600 Vac, Time Delay, 3-ph | HP, 125 Vdc | HP, 250 Vdc | HP, 600 Vdc | Product Number          | List Price GO-131 |
|---------------|---------------------|----------------------------|----------------------------|-------------------------------|-------------------------------|-------------|-------------|-------------|-------------------------|-------------------|
| 30A           | NEMA Type 1         | 5                          | 7 1/2                      | 15                            | 20                            | -           | 5           | -           | TH3361                  | \$344.00          |
| 60A           | NEMA Type 1         | 15                         | 15                         | 30                            | 50                            | -           | 10          | -           | TH3362                  | \$417.00          |
| 100A          | NEMA Type 1         | 25                         | 30                         | 60                            | 75                            | -           | 20          | -           | TH3363                  | \$763.00          |
| 200A          | NEMA Type 1         | 50                         | 60                         | 125                           | 150                           | -           | 40          | -           | TH3364 <sup>6</sup>     | \$1103.00         |
| 400A          | NEMA Type 1         | 100                        | 125                        | 250                           | 350                           | -           | 50          | -           | TH3365                  | \$2868.00         |
| 600A          | NEMA Type 1         | 150                        | 200                        | 400                           | 500                           | -           | 50          | -           | TH3366                  | \$4825.00         |
| 800A          | NEMA Type 1         | -                          | -                          | -                             | -                             | -           | -           | -           | TC72367 <sup>2</sup>    | \$9661.00         |
| 1200A         | NEMA Type 1         | -                          | -                          | -                             | -                             | -           | -           | -           | TC72368 <sup>2</sup>    | \$12688.00        |
| 30A           | NEMA Type 3R        | 5                          | 7 1/2                      | 15                            | 20                            | -           | 5           | -           | TH3361R                 | \$579.00          |
| 30A           | NEMA Type 3R        | 5                          | 7 1/2                      | 15                            | 20                            | -           | 5           | -           | TH3361RF <sup>4</sup>   | \$579.00          |
| 60A           | NEMA Type 3R        | 15                         | 15                         | 30                            | 50                            | -           | 10          | -           | TH3361RF <sup>2,4</sup> | \$749.00          |
| 60A           | NEMA Type 3R        | 15                         | 15                         | 30                            | 50                            | -           | 10          | -           | TH3362R                 | \$678.00          |
| 60A           | NEMA Type 3R        | 15                         | 15                         | 30                            | 50                            | -           | 10          | -           | TH3362RF <sup>4</sup>   | \$678.00          |
| 100A          | NEMA Type 3R        | 25                         | 30                         | 60                            | 75                            | -           | 20          | -           | TH3363R                 | \$1058.00         |
| 200A          | NEMA Type 3R        | 50                         | 60                         | 125                           | 150                           | -           | 40          | -           | TH3364R <sup>6</sup>    | \$1461.00         |
| 400A          | NEMA Type 3R        | 100                        | 125                        | 250                           | 350                           | -           | 50          | -           | TH3365R                 | \$3414.00         |
| 600A          | NEMA Type 3R        | 150                        | 200                        | 400                           | 500                           | -           | 50          | -           | TH3366R                 | \$6738.00         |
| 800A          | NEMA Type 3R        | -                          | -                          | -                             | -                             | -           | -           | -           | TC72367R <sup>2,3</sup> | \$11966.00        |
| 1200A         | NEMA Type 3R        | -                          | -                          | -                             | -                             | -           | -           | -           | TC72368R <sup>2,3</sup> | \$15546.00        |
| 30A           | NEMA Type 4/4X      | 5                          | 7 1/2                      | 15                            | 20                            | -           | 5           | -           | TH3361SS                | \$1577.00         |
| 60A           | NEMA Type 4/4X      | 15                         | 15                         | 30                            | 50                            | -           | 10          | -           | TH3362SS                | \$1737.00         |
| 100A          | NEMA Type 4/4X      | 25                         | 30                         | 60                            | 75                            | -           | 20          | -           | TH3363SS                | \$3461.00         |
| 200A          | NEMA Type 4/4X      | 50                         | 60                         | 125                           | 150                           | -           | 40          | -           | TH3364SS <sup>6</sup>   | \$4849.00         |
| 400A          | NEMA Type 4/4X      | 100                        | 125                        | 250                           | 350                           | -           | 50          | -           | TH3365SS                | \$9542.00         |
| 600A          | NEMA Type 4/4X      | 150                        | 200                        | 400                           | 500                           | -           | 50          | -           | TH3366SS                | \$13570.00        |
| 30A           | NEMA Type 5, 12     | 5                          | 7 1/2                      | 15                            | 20                            | -           | 5           | -           | TH3361J                 | \$586.00          |
| 60A           | NEMA Type 5, 12     | 15                         | 15                         | 30                            | 50                            | -           | 10          | -           | TH3362J                 | \$602.00          |
| 100A          | NEMA Type 5, 12     | 25                         | 30                         | 60                            | 75                            | -           | 20          | -           | TH3363J                 | \$967.00          |
| 200A          | NEMA Type 5, 12     | 50                         | 60                         | 125                           | 150                           | -           | 40          | -           | TH3364J <sup>6</sup>    | \$1505.00         |
| 400A          | NEMA Type 5, 12     | 100                        | 125                        | 250                           | 350                           | -           | 50          | -           | TH3365J                 | \$3311.00         |
| 600A          | NEMA Type 5, 12     | 150                        | 200                        | 400                           | 500                           | -           | 50          | -           | TH3366J                 | \$5582.00         |
| 30A           | NEMA Type 3R, 5, 12 | 5                          | 7 1/2                      | 15                            | 20                            | -           | 5           | -           | TH3361JR                | \$579.00          |
| 60A           | NEMA Type 3R, 5, 12 | 15                         | 15                         | 30                            | 50                            | -           | 10          | -           | TH3362JR                | \$678.00          |
| 100A          | NEMA Type 3R, 5, 12 | 25                         | 30                         | 60                            | 75                            | -           | 20          | -           | TH3363JR                | \$1058.00         |
| 200A          | NEMA Type 3R, 5, 12 | 50                         | 60                         | 125                           | 150                           | -           | 40          | -           | TH3364JR <sup>6</sup>   | \$1461.00         |
| 400A          | NEMA Type 3R, 5, 12 | 100                        | 125                        | 250                           | 350                           | -           | 50          | -           | TH3365JR                | \$3414.00         |
| 600A          | NEMA Type 3R, 5, 12 | 150                        | 200                        | 400                           | 500                           | -           | 50          | -           | TH3366JR                | \$6738.00         |

### Four-pole, 480 and 600 Volts AC, Fusible<sup>5</sup>

| Ampere Rating | Enclosure Type         | HP, 480 Vac, NEC Std, 2-ph | HP, 600 Vac, NEC Std, 2-ph | HP, 480 Vac, Time Delay, 2-ph | HP, 600 Vac, Time Delay, 2-ph | HP, 125 Vdc | HP, 250 Vdc | HP, 600 Vdc | Product Number | List Price GO-131 |
|---------------|------------------------|----------------------------|----------------------------|-------------------------------|-------------------------------|-------------|-------------|-------------|----------------|-------------------|
| 30A           | NEMA Type 1, 3R, 5, 12 | 7 1/2                      | 10                         | 20                            | 25                            | -           | 5           | -           | TH6661         | \$2303.00         |
| 60A           | NEMA Type 1, 3R, 5, 12 | 15                         | 20                         | 40                            | 50                            | -           | 10          | -           | TH6662         | \$2762.00         |
| 100A          | NEMA Type 1, 3R, 5, 12 | 20                         | 30                         | 50                            | 50                            | -           | 20          | -           | TH6663         | \$3358.00         |
| 200A          | NEMA Type 1, 3R, 5, 12 | 50                         | 50                         | -                             | -                             | -           | 40          | -           | TH6664         | \$7555.00         |

For Type 1 Enclosure: 200-600 amp devices available factory reversed for bottom feed. Add "B" suffix to product number (e.g., TH33365B). List Price adder \$44.00, GO-131. UL Listed.

For Type 3R Enclosure: 30-200 amp devices have removable closing cap. Order hubs for these devices separately on page 2-28. Larger amp devices require field cut openings and customer-supplied hub.

<sup>1</sup>Order neutral kits from pages 2-23 and 2-25.

<sup>2</sup>Type TH electrical performance does not apply to Type TC switches. Class "L" fuses are AC only.

<sup>3</sup>Not CSA Certified

<sup>4</sup>RF-version provides for vertically-hinged NEMA 3R door. RF2-version is a 30A switch interior in a larger 60A enclosure with vertically-hinged door.

<sup>5</sup>Use four poles of six-pole

<sup>6</sup>Rated to maximum 100,000 ampere interrupting capacity.



# Safety Switches Heavy Duty, Type TH

Spec-Setter™ Safety Switches

30-1200 Amperes

240, 480, 600 Volts AC

600 Volts DC

## Section 2

### Two-pole, 600 Volts DC, No Fuse

| Ampere Rating | Enclosure Type  | HP, 240 Vac, NEC Std, 1-ph | HP, 240 Vac, NEC Std, 3-ph | HP, 480 Vac, Time Delay, 3-ph | HP, 600 Vac, Time Delay, 3-ph | HP, 125 Vdc | HP, 250 Vdc | HP, 600 Vdc | Product Number | List Price GO-131 |
|---------------|-----------------|----------------------------|----------------------------|-------------------------------|-------------------------------|-------------|-------------|-------------|----------------|-------------------|
| 30A           | NEMA Type 1     | –                          | –                          | –                             | –                             | –           | –           | 15          | THN2261DC      | \$179.00          |
| 60A           | NEMA Type 1     | –                          | –                          | –                             | –                             | –           | –           | 25          | THN2262DC      | \$324.00          |
| 100A          | NEMA Type 1     | –                          | –                          | –                             | –                             | –           | –           | 25          | THN2263DC      | \$510.00          |
| 30A           | NEMA Type 3R    | –                          | –                          | –                             | –                             | –           | –           | 15          | THN2261RDC     | \$322.00          |
| 60A           | NEMA Type 3R    | –                          | –                          | –                             | –                             | –           | –           | 25          | THN2262RDC     | \$564.00          |
| 100A          | NEMA Type 3R    | –                          | –                          | –                             | –                             | –           | –           | 25          | THN2263RDC     | \$788.00          |
| 30A           | NEMA Type 4/4X  | –                          | –                          | –                             | –                             | –           | –           | 15          | THN2261SSDC    | \$1300.00         |
| 60A           | NEMA Type 4/4X  | –                          | –                          | –                             | –                             | –           | –           | 25          | THN2262SSDC    | \$1562.00         |
| 100A          | NEMA Type 4/4X  | –                          | –                          | –                             | –                             | –           | –           | 25          | THN2263SSDC    | \$3216.00         |
| 30A           | NEMA Type 5, 12 | –                          | –                          | –                             | –                             | –           | –           | 15          | THN2261JDC     | \$352.00          |
| 60A           | NEMA Type 5, 12 | –                          | –                          | –                             | –                             | –           | –           | 25          | THN2262JDC     | \$397.00          |
| 100A          | NEMA Type 5, 12 | –                          | –                          | –                             | –                             | –           | –           | 25          | THN2263JDC     | \$632.00          |

### Three-pole, 480 and 600 Volts AC - 250 Volts DC or Two-pole with Switching Neutral, No Fuse

| Ampere Rating | Enclosure Type  | HP, 240 Vac, NEC Std, 1-ph | HP, 240 Vac, NEC Std, 3-ph | HP, 480 Vac, Time Delay, 3-ph | HP, 600 Vac, Time Delay, 3-ph | HP, 125 Vdc | HP, 250 Vdc | HP, 600 Vdc | Product Number         | List Price GO-131 |
|---------------|-----------------|----------------------------|----------------------------|-------------------------------|-------------------------------|-------------|-------------|-------------|------------------------|-------------------|
| 30A           | NEMA Type 1     | 3                          | 10                         | –                             | –                             | 3           | 5           | –           | THN3321 <sup>1</sup>   | \$171.00          |
| 30A           | NEMA Type 1     | 3                          | 10                         | 20                            | 30                            | 3           | 5           | –           | THN3361                | \$179.00          |
| 60A           | NEMA Type 1     | 10                         | 20                         | 50                            | 60                            | 5           | 10          | –           | THN3362                | \$324.00          |
| 100A          | NEMA Type 1     | 20                         | 40                         | 75                            | 100                           | –           | 20          | –           | THN3363                | \$510.00          |
| 200A          | NEMA Type 1     | 30                         | 60                         | 125                           | 150                           | –           | 40          | –           | THN3364                | \$775.00          |
| 400A          | NEMA Type 1     | –                          | 125                        | 250                           | 350                           | –           | 50          | –           | THN3365                | \$1736.00         |
| 600A          | NEMA Type 1     | –                          | 200                        | 400                           | 500                           | –           | 50          | –           | THN3366                | \$3092.00         |
| 800A          | NEMA Type 1     | –                          | –                          | –                             | –                             | –           | –           | –           | TC36367 <sup>2,3</sup> | \$6302.00         |
| 1200A         | NEMA Type 1     | –                          | –                          | –                             | –                             | –           | –           | –           | TC36368 <sup>2,3</sup> | \$8457.00         |
| 30A           | NEMA Type 3R    | 3                          | 10                         | 20                            | 30                            | 3           | 5           | –           | THN3361R               | \$322.00          |
| 30A           | NEMA Type 3R    | 3                          | 10                         | 20                            | 30                            | 3           | 5           | –           | THN3361RF <sup>4</sup> | \$436.00          |
| 60A           | NEMA Type 3R    | 10                         | 20                         | 50                            | 60                            | 5           | 10          | –           | THN3362R               | \$564.00          |
| 60A           | NEMA Type 3R    | 10                         | 20                         | 50                            | 60                            | 5           | 10          | –           | THN3362RF <sup>4</sup> | \$564.00          |
| 100A          | NEMA Type 3R    | 20                         | 40                         | 75                            | 100                           | –           | 20          | –           | THN3363R               | \$788.00          |
| 200A          | NEMA Type 3R    | 30                         | 60                         | 125                           | 150                           | –           | 40          | –           | THN3364R               | \$957.00          |
| 400A          | NEMA Type 3R    | –                          | 125                        | 250                           | 350                           | –           | 50          | –           | THN3365R               | \$2376.00         |
| 600A          | NEMA Type 3R    | –                          | 200                        | 400                           | 500                           | –           | 50          | –           | THN3366R               | \$4755.00         |
| 30A           | NEMA Type 4/4X  | 3                          | 10                         | 20                            | 30                            | 3           | 5           | –           | THN3361SS              | \$1326.00         |
| 60A           | NEMA Type 4/4X  | 10                         | 20                         | 50                            | 60                            | 5           | 10          | –           | THN3362SS              | \$1577.00         |
| 100A          | NEMA Type 4/4X  | 20                         | 40                         | 75                            | 100                           | –           | 20          | –           | THN3363SS              | \$3217.00         |
| 200A          | NEMA Type 4/4X  | 30                         | 60                         | 125                           | 150                           | –           | 40          | –           | THN3364SS              | \$4393.00         |
| 400A          | NEMA Type 4/4X  | –                          | 125                        | 250                           | 350                           | –           | 50          | –           | THN3365SS              | \$8899.00         |
| 600A          | NEMA Type 4/4X  | –                          | 200                        | 400                           | 500                           | –           | 50          | –           | THN3366SS              | \$11946.00        |
| 30A           | NEMA Type 5, 12 | 3                          | 10                         | 20                            | 30                            | 3           | 5           | –           | THN3361J               | \$412.00          |
| 60A           | NEMA Type 5, 12 | 10                         | 20                         | 50                            | 60                            | 5           | 10          | –           | THN3362J               | \$533.00          |
| 100A          | NEMA Type 5, 12 | 20                         | 40                         | 75                            | 100                           | –           | 20          | –           | THN3363J               | \$758.00          |
| 200A          | NEMA Type 5, 12 | 30                         | 60                         | 125                           | 150                           | –           | 40          | –           | THN3364J               | \$1008.00         |
| 400A          | NEMA Type 5, 12 | –                          | 125                        | 250                           | 350                           | –           | 50          | –           | THN3365J               | \$2497.00         |
| 600A          | NEMA Type 5, 12 | –                          | 200                        | 400                           | 500                           | –           | 50          | –           | THN3366J               | \$4065.00         |

For Type 1 Enclosure: 200-600 amp devices available factory reversed for bottom feed. Add "B" suffix to product number (e.g., TH33365B). **List Price adder \$44.00, GO-131.**  
UL Listed.

For Type 3R Enclosure: 30-200 amp devices have removable closing cap. Order hubs for these devices separately on page 2-28. Larger amp devices require field cut openings and **customer-supplied** hub.

Use molded case switch in circuit breaker enclosure.

<sup>1</sup>250 volts AC or 250 volts DC only. Compact enclosure.

<sup>2</sup>Class "L" fuses are only applicable when used with 800 and 1200A Type TC Safety Switches (e.g. TC72367).

<sup>3</sup>Not available with neutral.

<sup>4</sup>RF-version provides for vertically-hinged NEMA 3R door.



**Publications and Reference:** See Section 22 for a complete list of additional product-related publications

# Safety Switches Heavy Duty, Type TH

Spec-Setter™ Safety Switches

30-1200 Amperes

240, 480, 600 Volts AC

600 Volts DC

## Section 2

### Four-pole, 480 and 600 Volts AC, No Fuse<sup>2,3</sup>

| Ampere Rating | Enclosure Type         | HP, 240 Vac, NEC Std, 1-ph | HP, 240 Vac, NEC Std, 2-ph | HP, 480 Vac, Time Delay, 2-ph | HP, 600 Vac, Time Delay, 2-ph | HP, 125 Vdc | HP, 250 Vdc | HP, 600 Vdc | Product Number | List Price GO-131 |
|---------------|------------------------|----------------------------|----------------------------|-------------------------------|-------------------------------|-------------|-------------|-------------|----------------|-------------------|
| 30A           | NEMA Type 1, 3R, 5, 12 | –                          | 10                         | 20                            | 25                            | –           | 5           | –           | THN6661        | \$2048.00         |
| 60A           | NEMA Type 1, 3R, 5, 12 | –                          | 20                         | 40                            | 50                            | –           | 10          | –           | THN6662        | \$2372.00         |
| 100A          | NEMA Type 1, 3R, 5, 12 | –                          | 30                         | 50                            | 50                            | –           | 20          | –           | THN6663        | \$2919.00         |
| 200A          | NEMA Type 1, 3R, 5, 12 | –                          | 50                         | –                             | –                             | –           | 40          | –           | THN6664        | \$6564.00         |

### Heavy Duty Safety Switches with 316 Stainless Steel Type NEMA 4/4X, Water and Dust-tight

- More resistant to general corrosion and pitting/crevice corrosion than 304 stainless steel
- Higher creep, stress-to-rupture and tensile strength at elevated temperatures than 304 stainless steel
- Excellent resistance to reducing acids and similar media
- Standard lead time 2 weeks

### Three-pole 240/600 Volts—Fusible, 316 Stainless Steel

| Ampere Rating | Enclosure Type | System Voltage | Product Number | List Price GO-131 |
|---------------|----------------|----------------|----------------|-------------------|
| 30A           | NEMA Type 4/4X | 600Vac         | TH3361SS316    | \$2296.00         |
| 60A           | NEMA Type 4/4X | 600Vac         | TH3362SS316    | \$2528.00         |
| 100A          | NEMA Type 4/4X | 600Vac         | TH3363SS316    | \$5041.00         |
| 200A          | NEMA Type 4/4X | 600Vac         | TH3364SS316    | \$7061.00         |

### Three-pole 600 Volts—Non-Fusible, 316 Stainless Steel

| Ampere Rating | Enclosure Type | System Voltage | Product Number | List Price GO-131 |
|---------------|----------------|----------------|----------------|-------------------|
| 30A           | NEMA Type 4/4X | 600Vac         | THN3361SS316   | \$1932.00         |
| 60A           | NEMA Type 4/4X | 600Vac         | THN3362SS316   | \$2296.00         |
| 100A          | NEMA Type 4/4X | 600Vac         | THN3363SS316   | \$4686.00         |
| 200A          | NEMA Type 4/4X | 600Vac         | THN3364SS316   | \$6167.00         |
| 400A          | NEMA Type 4/4X | 600Vac         | THN3365SS316   | \$12458.00        |
| 600A          | NEMA Type 4/4X | 600Vac         | THN3366SS316   | \$17231.00        |

### Viewing Window Option—Factory Installed Only

### UL Listed Installation-Safety Switch Rating NEMA Type 4/4X, 5, 12 Standard Lead Time-3 Weeks

| Factory Installed Product Number | Suffix for Water and Dust Tight NEMA Type 4/4X | List Price GO-131 | Suffix for Drip and Dust Tight NEMA Type 5, 12 | List Price GO-131 |
|----------------------------------|------------------------------------------------|-------------------|------------------------------------------------|-------------------|
| TH2221                           | SSW                                            | \$1260.00         | JW                                             | \$370.00          |
| TH2222                           | SSW                                            | \$1499.00         | JW                                             | \$469.00          |
| TH3221                           | SSW                                            | \$1302.00         | JW                                             | \$396.00          |
| TH3222                           | SSW                                            | \$1429.00         | JW                                             | \$499.00          |
| TH3223                           | SSW                                            | \$3291.00         | JW                                             | \$756.00          |
| TH3224                           | SSW                                            | \$4482.00         | JW                                             | \$1137.00         |
| TH3321                           | SSW                                            | \$1322.00         | JW                                             | \$440.00          |
| TH3322                           | SSW                                            | \$1615.00         | JW                                             | \$590.00          |
| TH3361                           | SSW                                            | \$1610.00         | JW                                             | \$642.00          |
| TH3362                           | SSW                                            | \$1764.00         | JW                                             | \$657.00          |
| TH3363                           | SSW                                            | \$3439.00         | JW                                             | \$972.00          |
| TH3364                           | SSW                                            | \$4785.00         | JW                                             | \$1512.00         |
| TH4321                           | SSW                                            | \$1381.00         | JW                                             | \$483.00          |
| TH4322                           | SSW                                            | \$1668.00         | JW                                             | \$622.00          |
| TH4323                           | SSW                                            | \$3457.00         | JW                                             | \$958.00          |
| TH4324                           | SSW                                            | \$4811.00         | JW                                             | \$1341.00         |
| THN3361                          | SSW                                            | \$1366.00         | JW                                             | \$473.00          |
| THN3362                          | SSW                                            | \$1610.00         | JW                                             | \$564.00          |
| THN3363                          | SSW                                            | \$3200.00         | JW                                             | \$780.00          |
| THN3364                          | SSW                                            | \$5158.00         | JW                                             | \$1011.00         |

<sup>1</sup>2-pole device

<sup>2</sup>Not CSA Certified

<sup>3</sup>Use four poles of six-pole switch. Reference page 2-19 for additional information.



# Safety Switches

## Mill Duty, Type TH

Spec-Setter™ Safety Switches

30-600 Amperes

240, 480, 600 Volts AC

250, 600 Volts DC

## Section 2

### Cartridge Fuse, Type TH Switches

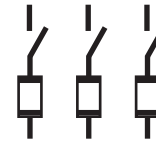
- Designed for mill, foundry and industrial applications where safety, high performance and continuity of service are required.
- UL Listed. Products in this section have been tested by UL and shown to meet the construction and performance requirements of UL Standard Number 98, Enclosed and Dead Front Switches.
- Meet Federal Specification WS-865C for heavy duty switches.
- Meet major automotive manufacturer's and JIC electrical specifications.
- Meet NEMA Enclosed Safety Switch Standard KS1-1990 for Type HD.
- Full cover interlocks.
- 60°C and 75°C conductor ratings.
- Quick-make, quick-break mechanisms.
- Suitable for use as service entrance equipment when installed in accordance with the National Electrical Code.
- UL Listed ratings for fusible switches when used with these fuses:
  - Class H (10,000 rms amps, sym IC). Standard on 30-600 amp.
  - Class J (200,000 rms amp, sym IC). See page 2-27 for field conversion details.
  - Class R (200,000 rms amp, sym IC). Order appropriate Class R fusing kit from page 2-27.
- Safety switch product numbers with suffix "SS" are grade 304 stainless steel. Product numbers with "SS316" are grade 316 stainless steel.

### Type TH Interrupting and Withstandability Ratings

| Ampere Rating | Interrupting Rating Amps          |               |
|---------------|-----------------------------------|---------------|
|               | Symmetrical 600 volts AC, 3-phase | Fuse Clearing |
| 30A           | 360                               | 50            |
| 60A           | 1200                              | 200           |
| 100A          | 1200                              | 500           |
| 200A          | 3,400                             | 2,000         |
| 400A          | 10,000                            | 6,000         |
| 600A          | 10,000                            | 12,000        |



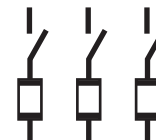
Two-pole, 240 Volts AC - 250 Volts DC, Fusible



Three-pole, 240 Volts AC, Fusible



Two-pole, 600 Volts DC, Fusible



Three-pole, 480 and 600 Volts AC - 250 Volts DC Fusible



Two-pole, 600 Volts DC, No Fuse



Three-pole, 480 and 600 Volts AC - 250 Volts DC, No Fuse



**Publications and Reference:** See Section 22 for a complete list of additional product-related publications

# Safety Switches Mill Duty, Type TH

Spec-Setter™ Safety Switches

300-600 Amperes

240, 480, 600 Volts AC

250, 600 Volts DC

## Section 2

### Two-pole, 240 Volts AC - 250 Volts DC, Fusible

| Ampere Rating | Enclosure Type <sup>1</sup> | HP, 240 Vac, NEC Std, 1-ph | HP, 240 Vac, NEC Std, 3-ph | HP, 240 Vac, Time Delay, 1-ph | HP, 240 Vac, Time Delay, 3-ph | HP, 125 Vdc | HP, 250 Vdc | HP, 600 Vdc | Product Number | List Price GO-131B |
|---------------|-----------------------------|----------------------------|----------------------------|-------------------------------|-------------------------------|-------------|-------------|-------------|----------------|--------------------|
| 30A           | NEMA Type 12                | 1 1/2                      | –                          | 3                             | –                             | –           | 5           | –           | TH2221M        | \$324.00           |
| 60A           | NEMA Type 12                | 3                          | –                          | 10                            | –                             | 5           | 10          | –           | TH2222M        | \$437.00           |
| 100A          | NEMA Type 12                | 7 1/2                      | –                          | 15                            | –                             | –           | 20          | –           | TH2223M        | \$647.00           |
| 200A          | NEMA Type 12                | 15                         | –                          | –                             | –                             | –           | 40          | –           | TH2224M        | \$1085.00          |
| 30A           | NEMA Type 4/4X              | 1 1/2                      | –                          | 3                             | –                             | –           | 5           | –           | TH2221MSS      | \$1349.00          |
| 60A           | NEMA Type 4/4X              | 3                          | –                          | 10                            | –                             | 5           | 10          | –           | TH2222MSS      | \$1630.00          |
| 100A          | NEMA Type 4/4X              | 7 1/2                      | –                          | 15                            | –                             | –           | 20          | –           | TH2223MSS      | \$3573.00          |
| 200A          | NEMA Type 4/4X              | 15                         | –                          | –                             | –                             | –           | 40          | –           | TH2224MSS      | \$4914.00          |

### Three-pole, 240 Volts AC, Fusible

| Ampere Rating | Enclosure Type <sup>1</sup> | HP, 240 Vac, NEC Std, 1-ph | HP, 240 Vac, NEC Std, 3-ph | HP, 240 Vac, Time Delay, 1-ph | HP, 240 Vac, Time Delay, 3-ph | HP, 125 Vdc | HP, 250 Vdc | HP, 600 Vdc | Product Number | List Price GO-131B |
|---------------|-----------------------------|----------------------------|----------------------------|-------------------------------|-------------------------------|-------------|-------------|-------------|----------------|--------------------|
| 30A           | NEMA Type 12                | 1 1/2                      | 3                          | 3                             | 7 1/2                         | –           | 5           | –           | TH3321M        | \$393.00           |
| 60A           | NEMA Type 12                | 3                          | 7 1/2                      | 10                            | 15                            | 5           | 10          | –           | TH3322M        | \$566.00           |
| 100A          | NEMA Type 12                | 7 1/2                      | 15                         | 15                            | 30                            | –           | 20          | –           | TH3323M        | \$875.00           |
| 200A          | NEMA Type 12                | 15                         | 25                         | –                             | 60                            | –           | 40          | –           | TH3324M        | \$1305.00          |
| 400A          | NEMA Type 12                | –                          | 50                         | –                             | 125                           | –           | 50          | –           | TH3325M        | \$2883.00          |
| 600A          | NEMA Type 12                | –                          | 75                         | –                             | 200                           | –           | 50          | –           | TH3326M        | \$4804.00          |
| 30A           | NEMA Type 4/4X              | 1 1/2                      | 3                          | 3                             | 7 1/2                         | –           | 5           | –           | TH3321MSS      | \$1432.00          |
| 60A           | NEMA Type 4/4X              | 3                          | 7 1/2                      | 10                            | 15                            | 5           | 10          | –           | TH3322MSS      | \$1767.00          |
| 100A          | NEMA Type 4/4X              | 7 1/2                      | 15                         | 15                            | 30                            | –           | 20          | –           | TH3323MSS      | \$3771.00          |
| 200A          | NEMA Type 4/4X              | 15                         | 25                         | –                             | 60                            | –           | 40          | –           | TH3324MSS      | \$5305.00          |
| 400A          | NEMA Type 4/4X              | –                          | 50                         | –                             | 125                           | –           | 50          | –           | TH3325MSS      | \$10039.00         |
| 600A          | NEMA Type 4/4X              | –                          | 75                         | –                             | 200                           | –           | 50          | –           | TH3326MSS      | \$14480.00         |

240 Volts-No Fuse use 600 Volt switches

### Two-pole, 600 Volts DC, Fusible

| Ampere Rating | Enclosure Type <sup>1</sup> | HP, 480 Vac, NEC Std, 3-ph | HP, 600 Vac, NEC Std, 3-ph | HP, 480 Vac, Time Delay, 3-ph | HP, 600 Vac, Time Delay, 3-ph | HP, 125 Vdc | HP, 250 Vdc | HP, 600 Vdc | Product Number | List Price GO-131B |
|---------------|-----------------------------|----------------------------|----------------------------|-------------------------------|-------------------------------|-------------|-------------|-------------|----------------|--------------------|
| 30A           | NEMA Type 12                | –                          | –                          | –                             | –                             | –           | –           | 15          | TH2261MDC      | \$579.00           |
| 60A           | NEMA Type 12                | –                          | –                          | –                             | –                             | –           | –           | 25          | TH2262MDC      | \$600.00           |
| 100A          | NEMA Type 12                | –                          | –                          | –                             | –                             | –           | –           | 25          | TH2263MDC      | \$929.00           |
| 30A           | NEMA Type 4/4X              | –                          | –                          | –                             | –                             | –           | –           | 15          | TH2261MSSDC    | \$1760.00          |
| 60A           | NEMA Type 4/4X              | –                          | –                          | –                             | –                             | –           | –           | 25          | TH2262MSSDC    | \$1943.00          |
| 100A          | NEMA Type 4/4X              | –                          | –                          | –                             | –                             | –           | –           | 25          | TH2263MSSDC    | \$3864.00          |

### Three-pole, 480 and 600 Volts AC - 250 Volts DC, Fusible

| Ampere Rating | Enclosure Type <sup>1</sup> | HP, 480 Vac, NEC Std, 3-ph | HP, 600 Vac, NEC Std, 3-ph | HP, 480 Vac, Time Delay, 3-ph | HP, 600 Vac, Time Delay, 3-ph | HP, 125 Vdc | HP, 250 Vdc | HP, 600 Vdc | Product Number | List Price GO-131B |
|---------------|-----------------------------|----------------------------|----------------------------|-------------------------------|-------------------------------|-------------|-------------|-------------|----------------|--------------------|
| 30A           | NEMA Type 12                | 5                          | 7 1/2                      | 15                            | 20                            | –           | 5           | –           | TH3361M        | \$627.00           |
| 60A           | NEMA Type 12                | 15                         | 15                         | 30                            | 50                            | 5           | 10          | –           | TH3362M        | \$647.00           |
| 100A          | NEMA Type 12                | 25                         | 30                         | 60                            | 75                            | –           | 20          | –           | TH3363M        | \$1006.00          |
| 200A          | NEMA Type 12                | 50                         | 60                         | 125                           | 150                           | –           | 40          | –           | TH3364M        | \$1619.00          |
| 400A          | NEMA Type 12                | 100                        | 125                        | 250                           | 350                           | –           | 50          | –           | TH3365M        | \$3599.00          |
| 600A          | NEMA Type 12                | 150                        | 200                        | 400                           | 500                           | –           | 50          | –           | TH3366M        | \$6004.00          |
| 30A           | NEMA Type 4/4X              | 5                          | 7 1/2                      | 15                            | 20                            | –           | 5           | –           | TH3361MSS      | \$1762.00          |
| 60A           | NEMA Type 4/4X              | 15                         | 15                         | 30                            | 50                            | 5           | 10          | –           | TH3362MSS      | \$1941.00          |
| 100A          | NEMA Type 4/4X              | 25                         | 30                         | 60                            | 75                            | –           | 20          | –           | TH3363MSS      | \$3867.00          |
| 200A          | NEMA Type 4/4X              | 50                         | 60                         | 125                           | 150                           | –           | 40          | –           | TH3364MSS      | \$5417.00          |
| 400A          | NEMA Type 4/4X              | 100                        | 125                        | 250                           | 350                           | –           | 50          | –           | TH3365MSS      | \$10307.00         |
| 600A          | NEMA Type 4/4X              | 150                        | 200                        | 400                           | 500                           | –           | 50          | –           | TH3366MSS      | \$14278.00         |

<sup>1</sup>All mill duty switches accept neutral and auxiliary contact kits. Order from page 2-24.



# Safety Switches Mill Duty, Type TH

Spec-Setter™ Safety Switches

300-600 Amperes

240, 480, 600 Volts AC

250, 600 Volts DC

## Section 2

### Three-pole, 480 and 600 Volts AC – 250 Volts DC Fusible With Viewing Window

| Ampere Rating | Enclosure Type <sup>1</sup> | HP, 240 Vac, NEC Std, 1-ph | HP, 240 Vac, NEC Std, 3-ph | HP, 480 Vac, Time Delay, 3-ph | HP, 600 Vac, Time Delay, 3-ph | HP, 125 Vdc | HP, 250 Vdc | HP, 600 Vdc | Product Number | List Price GO-131B |
|---------------|-----------------------------|----------------------------|----------------------------|-------------------------------|-------------------------------|-------------|-------------|-------------|----------------|--------------------|
| 30            | NEMA Type 12                | 5                          | 7 1/2                      | 15                            | 20                            | –           | 5           | –           | TH3361MW       | \$654.00           |
| 60            | NEMA Type 12                | 15                         | 15                         | 30                            | 50                            | 5           | 10          | –           | TH3362MW       | \$669.00           |
| 100           | NEMA Type 12                | 25                         | 30                         | 60                            | 75                            | –           | 20          | –           | TH3363MW       | \$984.00           |
| 200           | NEMA Type 12                | 50                         | 60                         | 125                           | 150                           | –           | 40          | –           | TH3364MW       | \$1524.00          |

### Two-pole, 600 Volts DC, No Fuse

| Ampere Rating | Enclosure Type <sup>1</sup> | HP, 240 Vac, NEC Std, 1-ph | HP, 240 Vac, NEC Std, 3-ph | HP, 480 Vac, Time Delay, 3-ph | HP, 600 Vac, Time Delay, 3-ph | HP, 125 Vdc | HP, 250 Vdc | HP, 600 Vdc | Product Number | List Price GO-131B |
|---------------|-----------------------------|----------------------------|----------------------------|-------------------------------|-------------------------------|-------------|-------------|-------------|----------------|--------------------|
| 30A           | NEMA Type 12                | –                          | –                          | –                             | –                             | –           | –           | 15          | THN2261MDC     | \$466.00           |
| 60A           | NEMA Type 12                | –                          | –                          | –                             | –                             | –           | –           | 25          | THN2262MDC     | \$483.00           |
| 100A          | NEMA Type 12                | –                          | –                          | –                             | –                             | –           | –           | 25          | THN2263MDC     | \$742.00           |
| 30A           | NEMA Type 4/4X              | –                          | –                          | –                             | –                             | –           | –           | 15          | THN2261MSSDC   | \$1484.00          |
| 60A           | NEMA Type 4/4X              | –                          | –                          | –                             | –                             | –           | –           | 25          | THN2262MSSDC   | \$1760.00          |
| 100A          | NEMA Type 4/4X              | –                          | –                          | –                             | –                             | –           | –           | 25          | THN2263MSSDC   | \$3599.00          |

### Three-pole, 480 and 600 Volts AC - 250 Volts DC, No Fuse

| Ampere Rating | Enclosure Type <sup>1</sup> | HP, 240 Vac, NEC Std, 1-ph | HP, 240 Vac, NEC Std, 3-ph | HP, 480 Vac, Time Delay, 3-ph | HP, 600 Vac, Time Delay, 3-ph | HP, 125 Vdc | HP, 250 Vdc | HP, 600 Vdc | Product Number | List Price GO-131B |
|---------------|-----------------------------|----------------------------|----------------------------|-------------------------------|-------------------------------|-------------|-------------|-------------|----------------|--------------------|
| 30A           | NEMA Type 12                | 3                          | 10                         | 20                            | 30                            | 3           | 5           | –           | THN3361M       | \$500.00           |
| 60A           | NEMA Type 12                | 10                         | 20                         | 50                            | 60                            | 5           | 10          | –           | THN3362M       | \$517.00           |
| 100A          | NEMA Type 12                | 20                         | 40                         | 75                            | 100                           | –           | 20          | –           | THN3363M       | \$803.00           |
| 200A          | NEMA Type 12                | 30                         | 60                         | 125                           | 150                           | –           | 40          | –           | THN3364M       | \$1082.00          |
| 400A          | NEMA Type 12                | –                          | 125                        | 250                           | 350                           | –           | 50          | –           | THN3365M       | \$2881.00          |
| 600A          | NEMA Type 12                | –                          | 200                        | 400                           | 500                           | –           | 50          | –           | THN3366M       | \$4804.00          |
| 30A           | NEMA Type 4/4X              | 3                          | 10                         | 20                            | 30                            | 3           | 5           | –           | THN3361MSS     | \$1482.00          |
| 60A           | NEMA Type 4/4X              | 10                         | 20                         | 50                            | 60                            | 5           | 10          | –           | THN3362MSS     | \$1762.00          |
| 100A          | NEMA Type 4/4X              | 20                         | 40                         | 75                            | 100                           | –           | 20          | –           | THN3363MSS     | \$3604.00          |
| 200A          | NEMA Type 4/4X              | 30                         | 60                         | 125                           | 150                           | –           | 40          | –           | THN3364MSS     | \$4917.00          |
| 400A          | NEMA Type 4/4X              | –                          | 125                        | 250                           | 350                           | –           | 50          | –           | THN3365MSS     | \$9852.00          |
| 600A          | NEMA Type 4/4X              | –                          | 200                        | 400                           | 500                           | –           | 50          | –           | THN3366MSS     | \$13207.00         |

<sup>1</sup>All mill duty switches accept neutral and auxiliary contact kits. Order from page 2-24.



**Publications and Reference:** See Section 22 for a complete list of additional product-related publications

# Safety Switches

## Double-Throw Switches

Spec-Setter™ Safety Switches

Type TC, Type TDT

240, 480, 600 Volts AC

250 Volts DC

## Section 2

### Type TC Non-Fused (NEMA 1) and Outdoor (NEMA 3R)

#### Double-Throw Switches

- Designed for application where safety, high performance, and continuity of service are required.
- UL Listed. Products in this section have been tested by UL and shown to meet the construction and performance requirements of UL Standard Number 98, Enclosed and Dead Front Switches. Suitable for use in accordance with Article 702 of the National Electrical Code.
- Meet Federal Specification W-S-865C for enclosed switches; 30-200 amps, Type HD; 400-600 amps, Type LD.
- Meet or exceed NEMA Enclosed Switch Standard KS1-1990 except paragraph 1-4.24 (withstand and short circuit) for Type HD 30-200 amps, Type GD 400-600 amps.
- 60°C and 75°C conductor ratings.
- Quick-make, quick-break mechanisms 30-200 amps; quick break mechanisms 400-600 amps.
- UL Service Entrance rated (NEMA 1 and NEMA 3R).

### Type TC Outdoor Emergency Power Transfer Switches

- Designed for residential or light commercial applications where duty is not severe.
- UL Listed. Products in this section have been tested by UL and shown to meet the construction and performance requirements of UL Standard Number 98, Enclosed and Dead Front Switches.
- Meet or exceed NEMA Enclosed Switch Standard KS1-1983 for Type GD.
- Suitable for use as service entrance equipment when installed in accordance with National Electrical Code.
- 60°C and 75°C conductor ratings.
- Not quick-make, quick-break

### Type TDT Fusible Double-Throw Safety Switches

- TDT safety switches are suitable for use as service entrance equipment when either neutral kit DT200NK or ground lug kit DS200GK is installed.



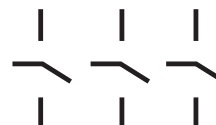
TC35322, Type TC Indoor Double-throw Switch



TC35321, Type TC Outdoor Double-throw Switch



TC10323R, Type TC Outdoor Emergency Power Transfer Switch



Three-pole, 240 Volts AC, 250 Volts DC, No Fuse



Three-pole, 600 Volts AC, 250 Volts DC, No Fuse



Three-wire SN, 120/240 Volts AC, No Fuse



Four-wire SN, 240 Volts AC, No Fuse



# Safety Switches Double-Throw Switches

Spec-Setter™ Safety Switches

Type TC, Type TDT

240, 480, 600 Volts AC

250 Volts DC

## Section 2

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### Three-pole, 240 Volts AC, 250 Volts DC, No Fuse

| Ampere Rating | Enclosure Type | HP, 240 Vac, NEC Std, 3-ph | HP, 480 Vac, NEC Std, 3-ph | HP, 600 Vac, NEC Std, 3-ph | Lug Wire Size, AWG/kcmil, Cu Only | Product Number | List Price GO-1318 |
|---------------|----------------|----------------------------|----------------------------|----------------------------|-----------------------------------|----------------|--------------------|
| 30A           | NEMA Type 1    | 2                          | -                          | -                          | 14-8                              | TC35321        | \$482.00           |
| 60A           | NEMA Type 1    | 3                          | -                          | -                          | 14-4                              | TC35322        | \$707.00           |
| 100A          | NEMA Type 1    | 7 1/2                      | -                          | -                          | 14-1/0                            | TC35323        | \$1156.00          |
| 200A          | NEMA Type 1    | 15                         | -                          | -                          | 6-250                             | TC35324        | \$1825.00          |
| 400A          | NEMA Type 1    | 30                         | -                          | -                          | (2)1/0-250 or #2-600              | TC35325        | \$4967.00          |
| 600A          | NEMA Type 1    | 50                         | -                          | -                          | (2)3/0-350 or #2-600              | TC35326        | \$6665.00          |

### Three-pole, 240 Volts AC, 250 Volts DC, No Fuse

| Ampere Rating | Enclosure Type | HP, 240 Vac, NEC Std, 3-ph | HP, 480 Vac, NEC Std, 3-ph | HP, 600 Vac, NEC Std, 3-ph | Lug Wire Size, AWG/kcmil, Cu Only | Product Number | List Price GO-1318 |
|---------------|----------------|----------------------------|----------------------------|----------------------------|-----------------------------------|----------------|--------------------|
| 30A           | NEMA Type 3R   | 2                          | -                          | -                          | 14-8                              | TC35321R       | \$580.00           |
| 60A           | NEMA Type 3R   | 3                          | -                          | -                          | 14-4                              | TC35322R       | \$898.00           |
| 100A          | NEMA Type 3R   | 7.5                        | -                          | -                          | 14-1/0                            | TC35323R       | \$1395.00          |
| 200A          | NEMA Type 3R   | 15                         | -                          | -                          | 6-250                             | TC35324R       | \$2325.00          |
| 400A          | NEMA Type 3R   | 30                         | -                          | -                          | (2) 1/0-250 or #2-600             | TC35325R       | \$7900.00          |
| 600A          | NEMA Type 3R   |                            | Coming in 2008             |                            |                                   | TC35326R       |                    |

### Three-pole, 600 Volts AC, 250 Volts DC, No Fuse

| Ampere Rating | Enclosure Type | HP, 240 Vac, NEC Std, 3-ph | HP, 480 Vac, NEC Std, 3-ph | HP, 600 Vac, NEC Std, 3-ph | Lug Wire Size, AWG/kcmil, Cu Only | Product Number | List Price GO-1318 |
|---------------|----------------|----------------------------|----------------------------|----------------------------|-----------------------------------|----------------|--------------------|
| 30A           | NEMA Type 1    | 10                         | 10                         | 10                         | 14-4                              | TC35362        | \$810.00           |
| 60A           | NEMA Type 1    | 10                         | 10                         | 10                         | 14-4                              | TC35362        | \$810.00           |
| 100A          | NEMA Type 1    | 15                         | 15                         | 15                         | 14-1/0                            | TC35363        | \$1281.00          |
| 200A          | NEMA Type 1    | 30                         | 30                         | 30                         | 6-250                             | TC35364        | \$1960.00          |
| 400A          | NEMA Type 1    | -                          | -                          | -                          | (2)1/0-250 or #2-600              | TC35365        | \$5063.00          |
| 600A          | NEMA Type 1    | -                          | -                          | -                          | (2)3/0-350 or #2-600              | TC35366        | \$7329.00          |

### Three-pole, 600 Volts AC, 250 Volts DC, No Fuse

| Ampere Rating | Enclosure Type | HP, 240 Vac, NEC Std, 3-ph | HP, 480 Vac, NEC Std, 3-ph | HP, 600 Vac, NEC Std, 3-ph | Lug Wire Size, AWG/kcmil, Cu Only | Product Number | List Price GO-1318 |
|---------------|----------------|----------------------------|----------------------------|----------------------------|-----------------------------------|----------------|--------------------|
| 30A           | NEMA Type 3R   | 10                         | 10                         | 10                         | 14.4                              | TC35362R       | \$1377.00          |
| 60A           | NEMA Type 3R   | 10                         | 10                         | 10                         | 14-4                              | TC35362R       | \$1377.00          |
| 100A          | NEMA Type 3R   | 15                         | 15                         | 15                         | 14-1/0                            | TC35363R       | \$2275.00          |
| 200A          | NEMA Type 3R   | 30                         | 30                         | 30                         | 6-250                             | TC35364R       | \$4250.00          |
| 400A          | NEMA Type 3R   |                            |                            |                            |                                   | TC35365R       |                    |
| 600A          | NEMA Type 3R   |                            |                            |                            |                                   | TC35366R       |                    |

### Solid Neutrals - Factory Installation Only, Not Field Installable. NOT UL LISTED.

| Switch Ampere Rating | Product Number       | List Price Adder GO-131 |
|----------------------|----------------------|-------------------------|
| 30-100               | Order by Description | \$72.00                 |
| 200-600              |                      | \$161.00                |

### 240 Volts AC, Fusible

| Ampere Rating | Enclosure Type | HP, 240 Vac, Time Delay, 1-ph | HP, 480 Vac, Time Delay, 1-ph | HP, 600 Vac, Time Delay, 1-ph | HP, 240 Vac, Time Delay, 3-ph | HP, 480 Vac, Time Delay, 3-ph | HP, 600 Vac, Time Delay, 3-ph | HP, DC @ 250V | Product Number        | List Price GO-1318 |
|---------------|----------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|---------------|-----------------------|--------------------|
| 30A           | NEMA Type 1    | 3                             | 7 1/2                         | 10                            | 7 1/2                         | 15                            | 20                            | 5             | TDT3321               | \$1033.00          |
| 60A           | NEMA Type 1    | 10                            | 20                            | 25                            | 15                            | 30                            | 50                            | 10            | TDT3322               | \$1877.00          |
| 100A          | NEMA Type 1    | 15                            | 30                            | 40                            | 30                            | 60                            | 75                            | 20            | TDT3323               | \$3100.00          |
| 200A          | NEMA Type 1    | 15                            | 50                            | 50                            | 60                            | 125                           | 150                           | 40            | TDT3324 <sup>2</sup>  | \$4466.00          |
| 400A          | NEMA Type 1    | -                             | -                             | -                             | 125                           | 100                           | 125                           | 50            | TDT3325 <sup>3</sup>  | \$9473.00          |
| 600A          | NEMA Type 1    | -                             | -                             | -                             | 75                            | -                             | -                             | 50            | TDT3326 <sup>3</sup>  | \$11958.00         |
| 30A           | NEMA Type 3R   | 3                             | 7 1/2                         | 10                            | 7 1/2                         | 15                            | 20                            | 5             | TDT3321R              | \$1625.00          |
| 60A           | NEMA Type 3R   | 10                            | 20                            | 25                            | 15                            | 30                            | 50                            | 10            | TDT3322R              | \$2408.00          |
| 100A          | NEMA Type 3R   | 15                            | 30                            | 40                            | 30                            | 60                            | 75                            | 20            | TDT3323R              | \$3242.00          |
| 200A          | NEMA Type 3R   | 15                            | 50                            | 50                            | 60                            | 125                           | 150                           | 40            | TDT3324R <sup>1</sup> | \$5753.00          |

### 600 Volts AC, Fusible

| Ampere Rating | Enclosure Type | HP, 240 Vac, Time Delay, 1-ph | HP, 480 Vac, Time Delay, 1-ph | HP, 600 Vac, Time Delay, 1-ph | HP, 240 Vac, Time Delay, 3-ph | HP, 480 Vac, Time Delay, 3-ph | HP, 600 Vac, Time Delay, 3-ph | HP, DC @ 250V | Product Number        | List Price GO-1318 |
|---------------|----------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|---------------|-----------------------|--------------------|
| 30A           | NEMA Type 1    | 3                             | 7 1/2                         | 10                            | 7 1/2                         | 15                            | 20                            | 5             | TDT3361               | \$2088.00          |
| 60A           | NEMA Type 1    | 10                            | 20                            | 25                            | 15                            | 30                            | 50                            | 10            | TDT3362               | \$2103.00          |
| 100A          | NEMA Type 1    | 15                            | 30                            | 40                            | 30                            | 60                            | 75                            | 20            | TDT3363               | \$3708.00          |
| 200A          | NEMA Type 1    | 15                            | 50                            | 50                            | 60                            | 125                           | 150                           | 40            | TDT3364 <sup>2</sup>  | \$5492.00          |
| 400A          | NEMA Type 1    | -                             | -                             | -                             | 125                           | 100                           | 125                           | 50            | TDT3365               | \$9704.00          |
| 100A          | NEMA Type 3R   | 15                            | 30                            | 40                            | 30                            | 60                            | 75                            | 20            | TDT3363R              | \$4132.00          |
| 200A          | NEMA Type 3R   | 15                            | 50                            | 50                            | 60                            | 125                           | 150                           | 40            | TDT3364R <sup>2</sup> | \$6141.00          |

<sup>1</sup>Not UL Listed, not suitable for use in accordance with Article 702 of the National Electrical Code.

<sup>2</sup>200 A switches move load bases for Class J fuses.

<sup>3</sup>600A switch available with only Class T fuse provisions.



**Publications and Reference:** See Section 22 for a complete list of additional product-related publications

# Safety Switches

## Double-Throw Switches

Spec-Setter™ Safety Switches

Type TC Outdoor

240, 480, 600 Volts AC

250 Volts DC

## Section 2

### Three-wire SN, 120/240 Volts AC, No Fuse—Emergency Power Transfer Switch

| Ampere Rating | Enclosure Type <sup>2</sup> | Lug Wire Size, AWG/kcmil, Cu/Al | Product Number | List Price<br>GO-131A |
|---------------|-----------------------------|---------------------------------|----------------|-----------------------|
| 100A          | NEMA Type 3R                | 12-1                            | TC10323R       | \$501.00              |
| 200A          | NEMA Type 3R                | 6-250                           | TC10324R       | \$1336.00             |

### Four-wire SN, 240 Volts AC, No Fuse—Emergency Power Transfer Switch

| Ampere Rating | Enclosure Type <sup>2</sup> | Lug Wire Size, AWG/kcmil, Cu/Al | Product Number | List Price<br>GO-131A |
|---------------|-----------------------------|---------------------------------|----------------|-----------------------|
| 200A          | NEMA Type 3R                | 6-250                           | TC10424R       | \$1832.00             |

### Accessories for TDT-Style Fusible Double-Throw Safety Switches (Standard Delivery—4 Weeks)

| Accessory Type                       | Description                     | Product Number       | List Price<br>GO-131B |
|--------------------------------------|---------------------------------|----------------------|-----------------------|
| Control Pole                         | —                               | DS16CP               | \$193.00              |
| Electrical Interlocks                | 30-800 A, 1N                    | DS200EK1             | \$261.00              |
| Electrical Interlocks                | 30-800 A, 2N                    | DS200EK2             | \$523.00              |
| Neutral Kit                          | 30-100 A                        | DT100NK              | \$144.00              |
| Neutral Kit                          | 200 A                           | DT200NK              | \$235.00              |
| Neutral Kit                          | 400-800 A                       | DS800NK              | \$564.00              |
| Class J Fuse Field Conversion Kit    | 400 A (600 V only)              | DT400JK              | \$499.00              |
| Equipment Ground Kits                | 30-100 A Kit                    | DS100GK              | \$9.25                |
| Equipment Ground Kits                | 200 A Kit                       | DS200GK              | \$105.00              |
| Equipment Ground Kits                | 400-800 A Kit                   | DS468GK              | \$210.00              |
| Class R Fusing Kit—Field Installable | for 3 Poles 30 A (240V)         | DS12FK               | \$20.25               |
| Class R Fusing Kit—Field Installable | for 3 Poles 30 & 60 A           | DS16FK               | \$20.25               |
| Class R Fusing Kit—Field Installable | for 3 Poles 60 A (600V)         | DS26FK               | \$20.25               |
| Class R Fusing Kit—Field Installable | for 3 Poles 100 A (240V & 600V) | DS36FK               | \$39.00               |
| Class R Fusing Kit—Field Installable | for 3 Poles 200 A (240V & 600V) | DS46FK               | \$57.75               |
| Class R Fusing Kit—Field Installable | for 3 Poles 400 A (240V & 600V) | DS56FK               | \$98.00               |
| Class R Fusing Kit—Field Installable | for 3 Poles 600A (240V & 600V)  | DS66FK               | \$98.00               |
| T Fuse Clip                          | for 3 Pole 200A (240V)          | DS426TK              | \$67.50               |
| T Fuse Clip                          | for 3 Pole 200A (600V)          | DS466TK              | \$87.50               |
| T Fuse Clip                          | for 1 Pole 400A (240V)          | DS526TK <sup>1</sup> | \$57.50               |
| T Fuse Clip                          | for 1 Pole 400A (600V)          | DS566TK <sup>1</sup> | \$84.50               |
| T Fuse Clip                          | for 1 Pole 600A (240V)          | DS626TK <sup>1</sup> | \$67.50               |
| T Fuse Clip                          | for 1 Pole 600A (600V)          | DS666TK <sup>1</sup> | \$96.00               |

<sup>1</sup>Order one kit per pole.

<sup>2</sup>Devices may have removable closing cap. Order hubs separately. See page 2-28.

### Accessories for 240V & 600V TC Non-Fusible Double Throw Safety Switches

| Accessory Type                             | Switch Amp Rating | Description                                                                | Voltage | Product Number | List Price | GO-Schedule |
|--------------------------------------------|-------------------|----------------------------------------------------------------------------|---------|----------------|------------|-------------|
| Neutral Kits                               | 30                | (5) 1/0-14 with bond strap                                                 | 240     | TNK100         | \$60.00    | 131B        |
| Neutral Kits                               | 60                | (5) 1/0-14 with bond strap                                                 | 240     | TNK100         | \$60.00    | 131B        |
| Neutral Kits                               | 100               | (5) 1/0-14 with bond strap                                                 | 240     | TNK100         | \$60.00    | 131B        |
| Neutral Kits                               | 200               | with bond screw                                                            | 240     | TNK200         | \$110.00   | 131B        |
| Neutral Kits                               | 400               | (3) 2-600MCM with bond lug                                                 | 240     | TNK400         | \$125.00   | 131B        |
| Neutral Kits                               | 60                | (5) 1/0-14 with bond strap                                                 | 600     | TNK100         | \$60.00    | 131B        |
| Neutral Kits                               | 100               | (5) 1/0-14 with bond strap                                                 | 600     | TNK100         | \$60.00    | 131B        |
| Neutral Kits                               | 200               | with bond screw                                                            | 600     | TNK200         | \$110.00   | 131B        |
| Ground Kits                                | 30                | (4) 14-8 AWG CU or 12-8 AWG AL plus (3) 14-4 AWG CU or 6-4 AWG AL          |         | TGL1           | \$6.75     | 137A        |
| Ground Kits                                | 60                | (4) 14-8 AWG CU or 12-8 AWG AL plus (3) 14-4 AWG CU or 6-4 AWG AL          |         | TGL1           | \$6.75     | 137A        |
| Ground Kits                                | 100               | (3) #12-1/0 AWG CU/AL                                                      |         | TNG3           | \$60.00    | 137A        |
| Ground Kits                                | 200               | (3) #12-1/0 AWG CU/AL                                                      |         | TNG3           | \$60.00    | 137A        |
| Ground Kits                                | 400               | (3) #2-250MCM CU/AL                                                        |         | TGL6           | \$68.00    | 131         |
| Ground Kits                                | 600               | (3) #2-250MCM CU/AL                                                        |         | TGL6           | \$68.00    | 131         |
| Auxiliary Contact Kit<br>(field installed) | 30-600            | Auxiliary Contact Kit - Field installed for NEMA 1 and NEMA 3R TC Switches |         | THAUXDT        | \$750.00   | 131B        |



# Safety Switches

## Special Purpose Heavy Duty, Type TH

Spec-Setter™ Safety Switches

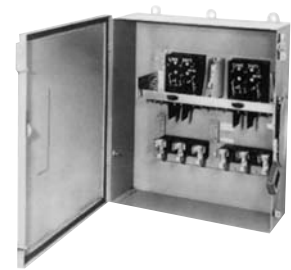
## Section 2

### Six-pole Switches

- UL Listed. Products in this section have been tested by UL and shown to meet the construction and performance requirements of UL Standard Number 98, Enclosed and Dead Front Switches.
- Single enclosure rated Type 1, 3R and 12.
- Drip hood included.
- Furnished without knockouts or hubs. Order hubs separately (see page 2-28).
- Horsepower rated.
- Quick-make, quick-break.
- Full cover interlocks.
- Equipment ground provided.
- Suitable for four-pole applications.
- 60°C and 75°C conductor ratings.

### Fusing—UL Listed

- Class H (10,000 rms amps, sym IC) standard.
- Class J (200,000 rms amps, sym IC). See page 2-27 for field conversion details.
- Class R (200,000 rms amps, sym IC). Order appropriate Class R fusing kit (2 kits per switch) from table below.



TH6663, Six-pole Switch

| System Voltage         | Fusible | Ampere Rating | Product Number | List Price<br>GO-131 |
|------------------------|---------|---------------|----------------|----------------------|
| 240Vac, 250Vdc         | Yes     | 30A           | TH6621         | \$2303.00            |
| 240Vac, 250Vdc         | Yes     | 60A           | TH6622         | \$2762.00            |
| 240Vac, 250Vdc         | Yes     | 100A          | TH6623         | \$3358.00            |
| 240Vac, 250Vdc         | Yes     | 200A          | TH6624         | \$7555.00            |
| 250Vdc, 480Vac, 600Vac | Yes     | 30A           | TH6661         | \$2303.00            |
| 250Vdc, 480Vac, 600Vac | Yes     | 60A           | TH6662         | \$2762.00            |
| 250Vdc, 480Vac, 600Vac | Yes     | 100A          | TH6663         | \$3358.00            |
| 250Vdc, 480Vac, 600Vac | Yes     | 200A          | TH6664         | \$7555.00            |
| 250Vdc, 480Vac, 600Vac | No      | 30A           | THN6661        | \$2048.00            |
| 250Vdc, 480Vac, 600Vac | No      | 60A           | THN6662        | \$2372.00            |
| 250Vdc, 480Vac, 600Vac | No      | 100A          | THN6663        | \$2919.00            |
| 250Vdc, 480Vac, 600Vac | No      | 200A          | THN6664        | \$6564.00            |

### Optional Neutrals

| Switch Rating (Amperes) | Switch Rating (Volts) | Product Number | List Price<br>GO-131 |
|-------------------------|-----------------------|----------------|----------------------|
| 30/60                   | 240/600               | TNI62          | \$35.00              |
| 100                     | 240-600               | TNI63          | \$108.00             |
| 200                     | 240-600               | TNIJ64         | \$132.00             |

### Class R Fuse Kits

| Ampere Rating | System Voltage | Product Number      | List Price<br>GO-143 |
|---------------|----------------|---------------------|----------------------|
| 30A           | 240V           | TPBRK12A            | \$35.00              |
| 30A           | 600V           | TPBRK16A            | \$35.00              |
| 60A           | 240V           | TPBRK22A            | \$35.00              |
| 60A           | 600V           | TPBRK26A            | \$35.00              |
| 100A          | 240Vac-600Vac  | TPBRK36A            | \$35.00              |
| 200A          | 240Vac-600Vac  | TRK46A <sup>1</sup> | \$43.25              |

<sup>1</sup>GO-131



**Publications and Reference:** See Section 22 for a complete list of additional product-related publications

# Safety Switches

## Special Purpose Heavy Duty, Type TH

Spec-Setter™ Safety Switches

## Section 2

### Interlocked Receptacle Switches

- UL Listed. Products in this section have been tested by UL and shown to meet the construction and performance requirements of UL Standard Number 98, Enclosed and Dead Front Switches.
- Meet NEMA Enclosed Safety Switch Standard KS1-1990 for Type HD.
- Type 12 enclosure.
- Furnished without knockouts or hubs. Order hubs separately (see page 2-28).
- Quick-make, quick-break.
- Full cover interlocks.
- 60°C and 75°C conductor ratings.
- Meet horsepower ratings and descriptive data on pages 2-7 through 2-12.

#### Fusing—UL Listed

- Class H (10,000 rms amps, sym IC) standard.
- Class J (100,000 rms amps, sym IC). See page 2-27 for field conversion details.
- Class R (100,000 rms amps, sym IC). Order appropriate Class R fusing kit from page 2-27.
- Typical application: Portable power supply connection during building construction.
- Interlocked receptacle switches are equipped with 60-amp, three-phase, three-wire grounded type receptacle, prewired and mounted with an interlock linkage to the switch mechanism. The interlock linkage is designed to deter insertion or removal of the plug while the switch is in the “ON” position. It also prevents operation of the switch unless the mating plug is inserted.

**Note:** Crouse Hinds receptacles use mating plugs that are not supplied with the switch. These can be ordered directly from Crouse Hinds.

| Fusible | Receptacle Manufacturer | Mating Plug      | Ampere Rating | Product Number | List Price GO-131 |
|---------|-------------------------|------------------|---------------|----------------|-------------------|
| Yes     | Crouse Hinds            | Arktite #APJ6485 | 60A           | TH3362JCH      | \$3020.00         |
| No      | Crouse Hinds            | Arktite #APJ6485 | 60A           | THN3362JCH     | \$2843.00         |

Arktite is a registered trademark of Crouse Hinds Co.



**TH3362JCH,**  
Interlocked Receptacle Switch



### Thermoplastic Plug-fuse Type TC Switches

- Designed for residential or light commercial applications where duty is not severe.
- UL Listed. Products in this section have been tested by UL and shown to meet the construction and performance requirements of UL Standard Number 98, Enclosed and Dead Front Switches.
- Meet or exceed NEMA Enclosed Switch Standard KS1-1990 for Type GD.
- 30 ampere maximum.
- Copper wire only, 14-10 AWG.
- GE Valox resin.

| Enclosure Type | No. of Poles | System Voltage | HP, 240 Vac, NEC Std, 1-ph | HP, 240 Vac, Time Delay, 1-ph | Product Number | List Price GO-131A |
|----------------|--------------|----------------|----------------------------|-------------------------------|----------------|--------------------|
| NEMA Type 1    | 1            | 120Vac         | 1 1/2                      | 3                             | TPF130         | \$43.25            |
| NEMA Type 1    | 2            | 240Vac         | 1 1/2                      | 3                             | TPF230         | \$59.00            |



TPF130

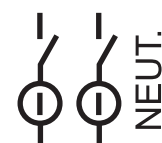
### Manual Motor Starters

- Toggle operated tumbler.
- No overload protection.
- Copper wire only, 14-10 AWG. UL Listed.
- Can be used with Arrow-Hart flush plate #7949.

| Enclosure Type | No. of Poles | Ampere Rating | System Voltage             | HP, 120 Vac | HP, 240 Vac | HP, 480 Vac | HP, 600 Vac | HP, 250 Vdc | Standard Package | Product Number | List Price GO-131B |
|----------------|--------------|---------------|----------------------------|-------------|-------------|-------------|-------------|-------------|------------------|----------------|--------------------|
| NEMA Type 1    | 2            | 20A           | 240Vac<br>250Vdc<br>480Vac | —           | 2           | 2           | —           | 2           | 50 to Ctn.       | TC2228         | \$72.00            |
| NEMA Type 1    | 3            | 20A<br>30A    | 240Vac<br>600Vac           | 3           | 7 1/2       | 15          | 15          | —           | 50 to Ctn.       | TC2368         | \$172.00           |
| None           | 2            | 30A           | 250Vac                     | —           | 2           | 2           | —           | 2           | 50 to Ctn.       | TC2228S        | \$57.25            |
| None           | 3            | 30A<br>20A    | 240Vac<br>600Vac           | 3           | 7 1/2       | 15          | —<br>15     | 15<br>—     | 50 to Ctn.       | TC2368S        | \$155.00           |

Not "T" or "L" rated switch

Arrow-Hart is a registered trademark of Cooper Industries.



TPF230



TC2368, Manual Motor Starter



# Safety Switches

## AC Disconnects

Spec-Setter™ Safety Switches

## Section 2

### Air Conditioner Disconnects

- Puller type
- UL Listed
  - Fusible – UL869
  - Service Equipment
  - No fuse – UL1429
  - Enclosed Pull-out Switch

| Enclosure Type <sup>1</sup> | Enclosure Material | Fusible       | Ampere Rating | System Voltage | Horsepower Rating | Lug Wire        | Standard Package | Product Number         | List Price GO-131AC |
|-----------------------------|--------------------|---------------|---------------|----------------|-------------------|-----------------|------------------|------------------------|---------------------|
|                             |                    |               |               |                |                   | Range AWG Cu/Al |                  |                        |                     |
| NEMA Type 3R                | Thermoplastic      | Yes           | 30A           | 120/240Vac     | 3                 | 14-3            | 6                | TPF30R                 | \$112.00            |
| NEMA Type 3R                | Thermoplastic      | Yes           | 60A           | 120/240Vac     | 10                | 14-3            | 6                | TPF60R                 | \$112.00            |
| NEMA Type 3R                | Thermoplastic      | No            | 60A           | 240Vac         | 10                | 14-3            | 6                | TPN60R1                | \$96.00             |
| NEMA Type 3R                | Thermoplastic      | Non-automatic | 60A           | 240Vac         | 10                | 14-3            | 6                | TPNA60R1               | \$121.00            |
| NEMA Type 3R                | Steel              | Yes           | 30A           | 240Vac         | 3                 | 14-3            | 6                | TF30R                  | \$102.00            |
| NEMA Type 3R                | Steel              | Yes           | 60A           | 240Vac         | 10                | 14-3            | 6                | TF60R                  | \$102.00            |
| NEMA Type 3R                | Steel              | No            | 60A           | 240Vac         | 10                | 14-3            | 6                | TFN60R                 | \$86.00             |
| NEMA Type 3R                | Steel              | Non-automatic | 60A           | 240Vac         | 10                | 14-3            | 6                | TNA60R1                | \$111.00            |
| NEMA Type 3R                | Steel              | No            | 60A           | 240Vac         | 10                | 14-3            | 6                | TFN60RGFR <sup>2</sup> | \$300.00            |
| NEMA Type 3R                | Steel              | Non-automatic | 60A           | 240Vac         | 10                | 14-3            | 6                | TNA60RGFR <sup>2</sup> | \$325.00            |

<sup>1</sup>Devices do not have removable closing cap.  
<sup>2</sup>These AC disconnects include a GFCI outlet.



TPF60R, Air Conditioner Disconnect, Thermoplastic Enclosure



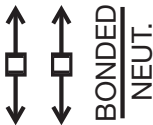
TFN60R, Air Conditioner Disconnect, Steel Enclosure



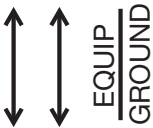
TNA60RGFR



TFN60RGFR



Fusible



No Fuse



Non-automatic



# Safety Switches

## Accessories: NEMA Type 1 and 3R Enclosures

Spec-Setter™ Safety Switches

30-600 Amperes: TG and TH

800-1200 Amperes: TC

## Section 2

### Equipment Ground Kits

| Ampere Rating | Wire Range<br>AWG/kcmil Copper | Wire Range<br>AWG/kcmil Aluminum | Standard Package | Product Number    | List Price<br>GO-137A |
|---------------|--------------------------------|----------------------------------|------------------|-------------------|-----------------------|
| 30A           | (4) 14-8, (3) 14-4             | (4) 14-8, (3) 6-4                | 20               | TGL1              | \$6.75                |
| 60A           |                                |                                  |                  |                   |                       |
| 100A          | (3) 10-1/0                     | (3) 10-1/0                       | 1                | TNG3              | \$60.00               |
| 200A          |                                |                                  |                  |                   |                       |
| 600A          | (3) 2-250                      | (3) 2-250                        | 1                | TGL6 <sup>1</sup> | \$68.25               |
| 400A          |                                |                                  |                  |                   |                       |

<sup>1</sup>GO-131



TGL1 Equipment Ground Kit

### Neutral Kit Insulated, Groundable and Bondable

| Ampere Rating | System Voltage | Fusible | Wire Range<br>AWG/kcmil Copper | Wire Range<br>AWG/kcmil Aluminum | Standard Package | Product Number     | List Price<br>GO-131 |
|---------------|----------------|---------|--------------------------------|----------------------------------|------------------|--------------------|----------------------|
| 30A           | 240Vac         |         |                                |                                  |                  | TNI21              | \$50.75              |
| 30A           | 600Vac         |         | 12-2                           | 12-2                             | 1                | TNI62 <sup>2</sup> | \$50.75              |
| 60A           |                | Yes     | 12-2                           | 12-2                             | 1                | TNIA62             | \$50.75              |
| 100A          |                | Yes     | 10-1/0                         | 10-1/0                           | 1                | TNIA63             | \$108.00             |
| 100A          |                | No      | 10-1/0                         | 10-1/0                           | 1                | TNI63 <sup>2</sup> | \$108.00             |
| 200A          |                |         | 2-250                          | 2-250                            | 1                | TNIA64             | \$132.00             |
| 400A          |                |         | (1) 2-600 or (2) 1/0-250       | (1) 2-600 or (2) 1/0-250         | 1                | TNI65              | \$232.00             |
| 400A          |                |         | (1) 2-600 or (2) 1/0-250       | (1) 2-600 or (2) 1/0-250         | 1                | TNI65A             | \$232.00             |
| 600A          |                |         | (2) 4-500                      | (2) 4-500                        | 1                | TNI66              | \$232.00             |
| 800A          |                |         | (3) 2-600 or (6) 1/0-250       | (3) 2-600 or (6) 1/0-250         | 1                | TNI67              | \$490.00             |
| 1200A         |                |         | (4) 3/0-800                    | (4) 3/0-800                      | 1                | TNI68A             | \$675.00             |

**Switching Neutral:** Order standard switch of required number of poles and use dummy fuse in neutral pole.

<sup>2</sup>Not suitable for type TG switches.



TNG3 Equipment Ground Kit

### Lug Wire Sizes Line and Load Terminal

| Ampere Rating | Wire Range<br>AWG/kcmil Copper | Wire Range<br>AWG/kcmil Aluminum |
|---------------|--------------------------------|----------------------------------|
| 30A (250V)    | 14-8                           | 12-8                             |
| 30A (600V)    | 12-2                           | 12-2                             |
| 60            | 12-2                           | 12-2                             |
| 100           | 10-1/0                         | 10-1/0                           |
| 200           | 2-250                          | 2-250                            |
| 400           | (1) 2-600 or<br>(2) 1/0-250    | (1) 2-600 or<br>(2) 1/0-250      |
| 600           | (2) 4-500                      | (2) 4-500                        |
| 800           | (3) 2-600 or<br>(6) 1/0-250    | (3) 2-600 or<br>(6) 1/0-250      |
| 1200          | (4) 3/0-800                    | (4) 3/0-800                      |



**Publications and Reference:** See Section 22 for a complete list of additional product-related publications

# Safety Switches

## Accessories: NEMA Type 1 and 3R Enclosures

## Section 2

Spec-Setter™ Safety Switches

30-600 Amperes: TG and TH

800-1200 Amperes: TC

### Auxiliary Contact Kits

Auxiliary contacts open before switch blades. UL Listed for field installation. Product number listed is for field installed kit.

| Series Prefix | Ampere Rating             | No. of Poles | Standard Package | Contacts | Contact Ratings                                           | Product Number | List Price GO-131 |
|---------------|---------------------------|--------------|------------------|----------|-----------------------------------------------------------|----------------|-------------------|
| TH, THN       | 30A                       | 2<br>3       | 1                | DPDT     | 10A, 125/250Vac .3A, 125Vdc .15A, 250Vdc                  | THAUX21D       | <b>\$135.00</b>   |
| TH, THN       | 30A                       | 2<br>3       | 1                | SPDT     | 15A, 125/250Vac 15A, 480/600Vac .50A, 125Vdc .25A, 250Vdc | THAUX61S       | <b>\$135.00</b>   |
| TH, THN       | 60A<br>100A<br>200A       | 2<br>3       | 1                | DPDT     | 15A, 125/250Vac 15A, 480/600Vac .50A, 25Vdc .25A, 250Vdc  | THAUX64D       | <b>\$193.00</b>   |
| TH, THN       | 200A                      | 6            | 1                | DPDT     | 15A, 125/250Vac 15A, 480/600Vac .50A, 125Vdc .25A, 250Vdc | THAUX66D2      | <b>\$317.00</b>   |
| TH, THN       | 30-100A<br>400-600A       | 2<br>3<br>6  | 1                | DPDT     | 15A, 125/250Vac 15A, 480/600Vac .50A, 125Vdc .25A, 250Vdc | THAUX66D       | <b>\$317.00</b>   |
| TC            | 800-1200A <sup>1</sup>    | 2<br>3       | –                | SPDT     | 15A, 125/250Vac, 50A, 125Vdc, 250Vdc                      | –              | –                 |
| TC            | double throw <sup>1</sup> | –            | –                | SPDT     | 15A, 125/250Vac, 50A, 125Vdc, 25A, 250Vdc                 | –              | –                 |

<sup>1</sup>Not UL Listed.

### Contact Pilot Duty Ratings - 600 Volt Kits

| AC             |      |      |                      | DC (Resistive) |                      |
|----------------|------|------|----------------------|----------------|----------------------|
| Inrush Current |      |      |                      |                |                      |
| Volts          | N.C. | N.O. | Break Normal Current | Volts          | Break Normal Current |
| 115            | 30   | 15   | 15                   | 125            | 0.5                  |
| 230            | 30   | 15   | 250                  | 0.25           |                      |
| 460            | 30   | 15   | 15                   | –              | –                    |
| 575            | 15   | 15   | 2                    | –              | –                    |

### Semidust-tight Door Gasket Kits

Types TH Indoor, TG and TH Outdoor Switches. Product Number listed is for field mounted kit.

| Ampere Rating      | Standard Package | Product Number | List Price GO-131 |
|--------------------|------------------|----------------|-------------------|
| 30A<br>60A<br>100A | 1                | THG106         | <b>\$35.50</b>    |
| 200A               | 1                | THG107         | <b>\$68.25</b>    |
| 600A<br>400A       | 1                | THG108         | <b>\$92.00</b>    |



# Safety Switches

## Accessories: NEMA Type 4/4X, 12 and Mill Duty Enclosures

Spec-Setter™ Safety Switches

30-600 Amperes: TH

## Section 2

### Lug Wire Sizes

#### Line and Load Terminals

| Switch Ampere Rating | Factory Installed        |          | Field Installed Crimp Lugs (See Table on page 2-26) |                        |
|----------------------|--------------------------|----------|-----------------------------------------------------|------------------------|
|                      | Copper                   | Aluminum | Copper                                              | Aluminum               |
| 30A-240V             | 14-8                     | 12-8     | –                                                   | –                      |
| 30A-600V             | 14-6                     | 14-6     | 14-8                                                | –                      |
| 60                   | 14-2                     | 14-2     | 8-4                                                 | –                      |
| 100                  | 14-1/0                   | 12-1/0   | 6-1/0                                               | 6-2/0                  |
| 200                  | 6-250                    | –        | 1/0-250                                             | –                      |
| 400                  | (1) 2-600 or (2) 1/0-250 | –        | (2) 300-600 or (1) 750                              | (2) 250-600 or (1) 750 |
| 600                  | (2) 4-600                | –        | (2) 300-600 or (1) 750                              | (2) 250-600 or (1) 750 |

#### Equipment Ground Terminals—Two lugs supplied per switch, provision for one additional lug.

|     |        |        |      |     |
|-----|--------|--------|------|-----|
| 30  | 14-6   | 14-6   | 14-8 | –   |
| 60  | 14-6   | 14-6   | 14-8 | –   |
| 100 | 14-4   | 14-4   | 8    | 6   |
| 200 | 14-4   | 14-4   | 6    | 4   |
| 400 | 14-1/0 | 12-1/0 | 3-2  | 1   |
| 600 | 14-2/0 | 14-2/0 | 1    | 2/0 |

### Auxiliary Contact Kits

Auxiliary contacts designed to open before switch blades. UL Listed for field installation. Product number listed is for field installed kit.

| Series Prefix | Ampere Rating | System Voltage | Standard Package | Contacts | Product Number | List Price GO-131 |
|---------------|---------------|----------------|------------------|----------|----------------|-------------------|
| TH, THN       | 30A           | 240V           | 1                | DPDT     | THAUX21D       | \$135.00          |
| TH, THN       | 30A           | 240V           | 1                | SPDT     | THAUX61S       | \$135.00          |
| TH, THN       | 30A           | 600V           | 1                | DPDT     | THAUX64D       | \$193.00          |
|               | 60-200A       | 240-600V       |                  |          |                |                   |
| TH, THN       | 400-600A      | 240-600V       | 1                | DPDT     | THAUX66D       | \$317.00          |
| TC            | 30-600A       | 240-600V       | 2                | DPDT     | THAUXDT        | \$750.00          |

For Contact Pilot Duty Ratings, see page 2-24.

### Optional Copper Lug Neutrals

| Ampere Rating | Fusible | Lug Wire Size, AWG/kcmil, Cu Only | Standard Package | Product Number | List Price GO-131 |
|---------------|---------|-----------------------------------|------------------|----------------|-------------------|
| 30A-60A       | Yes     | 14-2                              | 1                | TNIJ62CL       | \$72.50           |
| 30A-60A       | No      | 14-2                              | 1                | TNIJA62CL      | \$72.50           |
| 100A          | –       | 14-1/0                            | 1                | TNIJ63CL       | \$148.00          |
| 200A          | –       | 1/0-250                           | 1                | TNIJ64CL       | \$176.00          |
| 400-600A      | –       | (2) 1/0-600                       | 1                | TNIJ66CL       | \$322.00          |

### Neutral Kit Insulated, Groundable and Bondable

| Ampere Rating | System Voltage      | Fusible | Lug Wire Size AWG/kcmil Factory Installed Aluminum | Lug Wire Size AWG/kcmil Factory Installed Copper | Lug Wire Size AWG/kcmil Field Installed Crimp Lugs Copper | Lug Wire Size AWG/kcmil Field Installed Crimp Lugs Aluminum | Standard Package | Product Number | List Price GO-131 |
|---------------|---------------------|---------|----------------------------------------------------|--------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------|------------------|----------------|-------------------|
| 30A           | 240Vac              | Yes     | 12-8                                               | 14-8                                             | –                                                         | –                                                           | –                | TNI21          | \$50.75           |
| 30A           | 600Vac <sup>1</sup> | Yes/No  | 14-6                                               | 14-6                                             | 14-8                                                      | –                                                           | 1                | TNIJ61         | \$50.75           |
| 60A           | 600Vac <sup>2</sup> | Yes     | 14-2                                               | 14-2                                             | 8-4                                                       | –                                                           | 1                | TNIJ62         | \$50.75           |
| 60A           | 240Vac <sup>2</sup> | Yes     | 14-2                                               | 14-2                                             | 8-4                                                       | –                                                           | 1                | TNIJ62         | \$50.75           |
| 60A           | 600Vac              | Yes     | 14-2                                               | 14-2                                             | 8-4                                                       | –                                                           | 1                | TNIJ62         | \$50.75           |
| 60A           | 600Vac <sup>2</sup> | No      | 14-2                                               | 14-2                                             | 8-4                                                       | –                                                           | 1                | TNIJA62        | \$50.75           |
| 60A           | 600Vac              | No      | 14-2                                               | 14-2                                             | 8-4                                                       | –                                                           | 1                | TNIJA62        | \$50.75           |
| 100A          | 240-600Vac          | –       | 12-1/0                                             | 14-1/0                                           | 6-1/0                                                     | 6-2/0                                                       | 1                | TNIJ63         | \$108.00          |
| 200A          | 240-600Vac          | –       | 6-250                                              | 6-250                                            | 1/0-250                                                   | 1/0-250                                                     | 1                | TNIJ64         | \$132.00          |
| 400-600A      | 240-600Vac          | –       | (2) 4-600                                          | (2) 4-600                                        | (2) 300-600 or (1) 750                                    | (2) 250-600 or (1) 750                                      | 1                | TNIJ66         | \$232.00          |

<sup>1</sup>Type 4, 4x, 12

<sup>2</sup>Mill duty type



**Publications and Reference:** See Section 22 for a complete list of additional product-related publications

# Safety Switches

## Section 2

### Accessories: NEMA Type 4/4X, 12 and Mill Duty Enclosures

Spec-Setter™ Safety Switches

30-600 Amperes: TH

#### Crimp-type Connectors - Field Replaceable

(Obtain from normal source. Not furnished with switches.)

#### Line and Load Terminals

| Switch Ampere<br>Rating | Lug Wire Size<br>AWG/kcmil | Thomas and Betts Product Number |          | Burdny Product Number |          |
|-------------------------|----------------------------|---------------------------------|----------|-----------------------|----------|
|                         |                            | Copper                          | Aluminum | Copper                | Aluminum |
| 30                      | 14-12                      | -                               | -        | YAV12 G2              | -        |
| 30                      | 12-10                      | -                               | -        | YAV10                 | -        |
| 30                      | 8                          | 54104                           | -        | YAV8C-L               | -        |
| 60                      | 8                          | 54130                           | -        | YAV8C-L1              | -        |
| 60                      | 6                          | 54105                           | -        | YAV6C-L               | -        |
| 60                      | 4                          | 54106                           | -        | YAV4CLY1              | -        |
| 100                     | 6                          | 54105                           | 60107    | -                     | -        |
| 100                     | 4                          | 54106                           | 60112    | -                     | -        |
| 100                     | 2                          | 54017                           | 60116    | -                     | -        |
| 100                     | 1                          | 54108                           | 60122    | -                     | -        |
| 100                     | 1/0                        | -                               | -        | YA25-L                | YA25A1   |
| 200                     | 1/0                        | 54153                           | 60129    | -                     | -        |
| 200                     | 1/0                        | 54109                           | 60130    | -                     | -        |
| 200                     | 2/0                        | 54158                           | 60135    | -                     | -        |
| 200                     | 2/0                        | 54110                           | 60136    | -                     | -        |
| 200                     | 3/0                        | 54163                           | 60141    | -                     | -        |
| 200                     | 3/0                        | 54111                           | 60142    | -                     | -        |
| 200                     | 4/0                        | 54168                           | 60147    | -                     | -        |
| 200                     | 4/0                        | 54112                           | 60148    | -                     | -        |
| 200                     | 250                        | 54173                           | 60153    | -                     | -        |
| 200                     | 250                        | 54174                           | 60154    | -                     | -        |
| 400 and 600             | 250                        | -                               | 60156    | -                     | -        |
| 400 and 600             | 300                        | 54114                           | 60162    | -                     | -        |
| 400 and 600             | 350                        | 54115                           | 60165    | -                     | -        |
| 400 and 600             | 400                        | 54116                           | -        | -                     | -        |
| 400 and 600             | 500                        | 54118                           | 60171    | -                     | -        |
| 400 and 600             | 600                        | 54120                           | 60174    | -                     | -        |
| 400 and 600             | 750                        | 54123                           | 60178    | -                     | -        |

#### Equipment Ground Terminals (provision for three per switch)

|     |     |       |       |         |   |
|-----|-----|-------|-------|---------|---|
| 30  | 10  | -     | -     | YAV10   | - |
| 30  | 8   | 54104 | -     | -       | - |
| 60  | 8   | 54104 | -     | YAV8C-L | - |
| 100 | 8   | 54105 | -     | YAV8C-L | - |
| 100 | 6   | -     | 60106 | -       | - |
| 200 | 6   | 54105 | -     | -       | - |
| 200 | 4   | -     | 60112 | -       | - |
| 400 | 3-2 | 54107 | -     | -       | - |
| 400 | 1   | -     | 60122 | -       | - |
| 600 | 1   | 54108 | -     | -       | - |
| 600 | 2/0 | -     | 60134 | -       | - |



### Class J Fuse Field Conversion Kit UL Listed

TH switches, 30-400 amperes, 600 volt and 100-400 amperes, 240 volt, may be adapted to accept Class J fuses without a kit by moving the load-block toward the switch base and remounting. One kit required per two-pole or three-pole switch.

| Series Prefix | Ampere Rating | System Voltage   | Product Number | List Price<br>GO-131 |
|---------------|---------------|------------------|----------------|----------------------|
| TH            | 600A          | 240Vac<br>600Vac | THJ6           | \$420.00             |

### Class R Fusing Kit—Field Installable Type TH, UL Listed

When specifications permit only Class R fuses to be used, these kits may be installed in the safety switch to deter fuses other than Class R from being installed. Kits for 30 or 60A switches incorporate replacement fuse clips. Kits for 100-600A switches incorporate rejection pins that assemble to the standard fuse clips.

| Enclosure Type            | Ampere Rating | System Voltage   | Product Number        | List Price<br>GO-131 |
|---------------------------|---------------|------------------|-----------------------|----------------------|
| NEMA Type 1, 3R, 4/4X, 12 | 30A           | 240Vac           | TRK12B                | \$17.75              |
| NEMA Type 1, 3R           | 30A           | 600Vac           | TRK16B                | \$17.25              |
| NEMA Type 4/4X, 12        | 30A           | 600Vac           | TRK16SA <sup>1</sup>  | \$17.75              |
| NEMA Type 1, 3R, 4/4X, 12 | 60A           | 240Vac           | TRK22A                | \$17.75              |
| NEMA Type 1, 3R, 4/4X, 12 | 60A           | 600Vac           | TRK26A                | \$17.75              |
| NEMA Type 1, 3R           | 100A          | 240Vac<br>600Vac | TRK36A                | \$31.50              |
| NEMA Type 4/4X, 12        | 100A          | 240Vac<br>600Vac | TPBRK36A <sup>2</sup> | \$35.00              |
| NEMA Type 1, 3R, 4/4X, 12 | 200A          | 240Vac<br>600Vac | TRK46A <sup>1</sup>   | \$43.25              |
| NEMA Type 1, 3R, 4/4X, 12 | 400A          | 240Vac<br>600Vac | TRK56A                | \$74.00              |
| NEMA Type 1, 3R, 4/4X, 12 | 600A          | 240Vac<br>600Vac | TRK66A                | \$74.00              |

<sup>1</sup>Use TRK22A on mill duty switches.

<sup>2</sup>TPBRK36A is GO-143.



### Class R Fusing Kit—Field Installable Type TG, UL Listed

When specifications permit only Class R fuses to be used, these kits may be installed in the safety switch to deter fuses other than Class R from being installed. Kits for 30 or 60A switches incorporate replacement fuse clips. Kits for 100-600A switches incorporate rejection pins that assemble to the standard fuse clips.

| Enclosure Type  | Ampere Rating | Product Number | List Price<br>GO-131A |
|-----------------|---------------|----------------|-----------------------|
| NEMA Type 1, 3R | 30A           | TGRK12         | \$17.25               |
| NEMA Type 1, 3R | 60A           | TGRK22         | \$17.25               |
| NEMA Type 1, 3R | 100A          | TGRK32         | \$31.00               |
| NEMA Type 1, 3R | 200A          | TGRK42         | \$74.00               |

### Universal Raintight Aluminum Hubs

For outdoor enclosures that have removable closing caps.

| Nominal Conduit Diameter (in.) | Standard Package | Product Number | List Price<br>GO-131A |
|--------------------------------|------------------|----------------|-----------------------|
| 3/4                            | 10               | TC75           | \$24.00               |
| 1                              | 10               | TC100          | \$24.00               |
| 1 1/4                          | 10               | TC125          | \$24.00               |
| 1 1/2                          | 10               | TC150          | \$24.00               |
| 2                              | 10               | TC200          | \$40.25               |
| 2 1/2                          | 10               | TC250          | \$67.75               |



TC200 Universal Raintight Hub

### Closing Cap for Universal Raintight Aluminum Hub

| Standard Package | Product Number | List Price<br>GO-131A |
|------------------|----------------|-----------------------|
| 10               | TCCP           | \$2.60                |

### Key Interlocks

Available for TH switches on special factory order in the following enclosures: Types 1, 4/4X, 12 and Mill Duty. **List Price adder \$1414.00, GO-131.** Order by description. Locks supplied. Complete coordination (lock scheme) required with order.

### Replacement Red Handle Grip for HD Switches

| Product Number | List Price<br>GO-131 |
|----------------|----------------------|
| THGRIP         | \$20.00              |



# Safety Switches Enclosure Dimensions

Spec-Setter™ Safety Switches

TG and TH, NEMA Type 1 and 3R Enclosures

## Section 2

### NEMA Type 1 TG Approximate Dimensions in Inches Figure 1

| Product Number | Dimension W | Dimension H | Dimension D | Dimension W2 | KO Figure Number <sup>1</sup> |
|----------------|-------------|-------------|-------------|--------------|-------------------------------|
| TG3221         | 6 1/2       | 10 5/8      | 3 5/16      | 7            | 1                             |
| TG3222         | 8 1/2       | 13 7/8      | 4           | 9            | 15                            |
| TG3223         | 9 1/2       | 21 3/8      | 5           | 10           | 3                             |
| TG3224         | 13 3/4      | 29 1/4      | 5 1/2       | 14           | 4                             |
| TG3225         | 22          | 49 1/2      | 9           | 23           | 5                             |
| TG3226         | 23 1/4      | 50          | 9 1/4       | 23 3/4       | 6                             |
| TG3325         | 22          | 49 1/2      | 9           | 23           | 7                             |
| TG3326         | 23 1/4      | 50          | 9 1/4       | 23 3/4       | 6                             |
| TG4321         | 6 1/2       | 10 5/8      | 3 5/16      | 7            | 1                             |
| TG4322         | 8 1/2       | 13 7/8      | 4           | 9            | 15                            |
| TG4323         | 9 1/2       | 21 3/8      | 5           | 10           | 3                             |
| TG4324         | 13 3/4      | 29 1/4      | 5 1/2       | 14           | 4                             |
| TG4325         | 22          | 49 1/2      | 9           | 23           | 7                             |
| TG4326         | 23 1/4      | 50          | 9 1/4       | 23 3/4       | 6                             |
| TGN3321        | 6 1/2       | 10 5/8      | 3 5/16      | 7            | 1                             |
| TGN3322        | 8 1/2       | 13 7/8      | 4           | 9            | 15                            |
| TGN3323        | 9 1/2       | 21 3/8      | 5           | 10           | 3                             |
| TGN3324        | 13 3/4      | 29 1/4      | 5 1/2       | 14           | 4                             |
| TGN3325        | 22          | 49 1/2      | 9           | 23           | 7                             |
| TGN3326        | 23 1/4      | 50          | 9 1/4       | 23 3/4       | 6                             |

<sup>1</sup>See page 2-31.

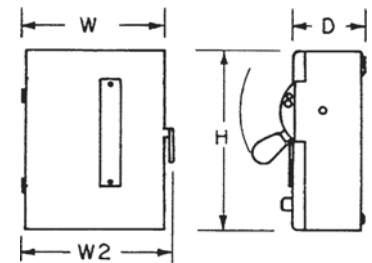


Figure 1

### NEMA Type 1 TH Approximate Dimensions in Inches Figure 2

| Product Number | Dimension W | Dimension H | Dimension D | Dimension W2 | KO Figure Number <sup>1</sup> |
|----------------|-------------|-------------|-------------|--------------|-------------------------------|
| TH3221         | 6 1/2       | 10 3/8      | 3 3/8       | 7 1/8        | 1                             |
| TH3222         | 9 1/2       | 17 5/8      | 5           | 10 1/8       | 3                             |
| TH3223         | 9 3/8       | 19 3/8      | 5 1/16      | 10 1/4       | 3                             |
| TH3224         | 13 1/2      | 25 3/8      | 5 1/16      | 14 1/4       | 4                             |
| TH3225         | 23 1/5      | 50 7/8      | 8 3/8       | 15 1/4       | 6                             |
| TH3226         | 24 5/8      | 59 9/16     | 8 3/8       | 25 3/4       | 6                             |
| TH3325         | 23 1/4      | 50 7/8      | 8 3/8       | 24 1/4       | 6                             |
| TH3326         | 23 1/4      | 50 7/8      | 8 3/8       | 24 1/4       | 6                             |
| TH4321         | 6 1/2       | 10 3/8      | 3 3/8       | 7 1/8        | 1                             |
| TH4322         | 9 1/2       | 17 5/8      | 5           | 10 1/8       | 3                             |
| TH4323         | 9 1/2       | 21 3/8      | 5           | 10 1/8       | 3                             |
| TH4324         | 13 5/8      | 31 5/8      | 5 1/4       | 14 1/2       | 4                             |
| TH4325         | 23 1/4      | 50 7/8      | 8 3/8       | 24 1/4       | 6                             |
| TH4326         | 23 1/4      | 50 7/8      | 8 3/8       | 24 1/4       | 6                             |
| TH2261DC       | 8 5/8       | 12 5/8      | 4           | 9 1/2        | 15                            |
| TH2262DC       | 9 1/2       | 21 3/8      | 5           | 10 1/8       | 3                             |
| TH2263DC       | 9 1/2       | 22 3/4      | 5           | 10 1/8       | 14                            |
| TH3361         | 8 5/8       | 12 5/8      | 4           | 9 1/2        | 15                            |
| TH3362         | 9 1/2       | 21 3/8      | 5           | 10 1/8       | 3                             |
| TH3363         | 9 1/2       | 22 3/4      | 5           | 10 1/8       | 14                            |
| TH3364         | 13 5/8      | 31 5/8      | 5 1/4       | 14 1/2       | 4                             |
| TH3365         | 23 1/4      | 54          | 8 3/8       | 24 1/2       | 6                             |
| TH3366         | 23 1/4      | 54          | 8 3/8       | 24 1/2       | 6                             |
| THN2261DC      | 8 1/2       | 10 9/16     | 4           | 9 1/4        | 15                            |
| THN2262DC      | 9 1/2       | 17 5/8      | 5           | 10 1/8       | 3                             |
| THN2263DC      | 9 1/2       | 17 5/8      | 5           | 10 1/8       | 3                             |
| THN3321        | 6 1/2       | 10 3/8      | 3 3/8       | 7 1/8        | 1                             |
| THN3361        | 8 1/2       | 10 9/16     | 4           | 9 1/4        | 15                            |
| THN3362        | 9 1/2       | 17 5/8      | 5           | 10 1/8       | 3                             |
| THN3363        | 9 1/2       | 17 5/8      | 5           | 10 1/8       | 3                             |
| THN3364        | 13 5/8      | 31 5/8      | 5 1/4       | 14 1/2       | 4                             |
| THN3365        | 23 1/4      | 42 1/2      | 8 3/8       | 24 1/2       | 6                             |
| THN3366        | 23 1/4      | 42 1/2      | 8 3/8       | 24 1/2       | 6                             |

<sup>1</sup>See page 2-31.

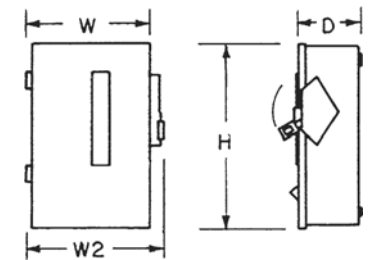


Figure 2



**Publications and Reference:** See Section 22 for a complete list of additional product-related publications

# Safety Switches Enclosure Dimensions

Spec-Setter™ Safety Switches

TG and TH, NEMA Type 1 and 3R Enclosures

## Section 2

### NEMA Type 3R TG Approximate Dimensions in Inches Figure 3

| Product Number | Dimension W | Dimension H | Dimension D | Dimension W2 | KO Figure Number <sup>1</sup> |
|----------------|-------------|-------------|-------------|--------------|-------------------------------|
| TG3221R        | 6 7/8       | 9 7/8       | 3 5/16      | 7 1/4        | 8                             |
| TG3222R        | 8 3/4       | 13 3/4      | 4           | 9 1/4        | 19                            |
| TG3223R        | 9 7/8       | 21 1/4      | 5           | 10           | 10                            |
| TG3224R        | 14          | 29          | 5 3/8       | 14 1/4       | 11                            |
| TG3225R        | 22 1/4      | 49 1/2      | 9           | 22 1/2       | 12                            |
| TG3226R        | 23 5/8      | 50          | 9 1/4       | 23 3/4       | 13                            |
| TG3325R        | 22 1/4      | 49 1/2      | 9           | 22 1/2       | 12                            |
| TG3326R        | 23 5/8      | 50          | 9 1/4       | 23 3/4       | 13                            |
| TG4321R        | 6 7/8       | 9 7/8       | 3 5/16      | 7 1/4        | 8                             |
| TG4322R        | 8 3/4       | 13 3/4      | 4           | 9 1/4        | 19                            |
| TG4323R        | 9 7/8       | 21 1/4      | 5           | 10           | 10                            |
| TG4324R        | 14          | 29          | 5 3/8       | 14 1/4       | 11                            |
| TGN3321R       | 6 7/8       | 9 7/8       | 3 5/16      | 7 1/4        | 8                             |
| TGN3322R       | 8 3/4       | 13 3/4      | 4           | 9 1/4        | 19                            |
| TGN3323R       | 9 7/8       | 15 3/4      | 5           | 10           | 10                            |
| TGN3324R       | 14          | 29          | 5 3/8       | 14 1/4       | 11                            |

<sup>1</sup>See page 2-33.

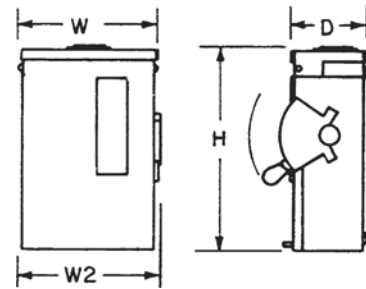


Figure 3

### NEMA Type 3R TH Approximate Dimensions in Inches Figure 4

| Product Number | Dimension W | Dimension H | Dimension D | Dimension W2 | KO Figure Number <sup>1</sup> |
|----------------|-------------|-------------|-------------|--------------|-------------------------------|
| TH3221R        | 6 7/8       | 10 5/8      | 3 5/16      | 7 1/8        | 8                             |
| TH3222R        | 9 3/8       | 19 3/8      | 5 1/16      | 10 1/4       | 10                            |
| TH3223R        | 13 1/2      | 25 3/8      | 5 1/16      | 14 1/4       | 10                            |
| TH3224R        | 14 1/2      | 35 1/8      | 5 5/16      | 15 1/4       | 11                            |
| TH3225R        | 24 5/8      | 59 9/16     | 8 3/8       | 25 3/4       | 18                            |
| TH3226R        | 23 1/2      | 53 1/4      | 8 3/8       | 24 1/4       | 18                            |
| TH3325R        | 23 1/2      | 49 1/8      | 8 3/8       | 24 1/4       | 18                            |
| TH3326R        | 23 1/2      | 53 1/4      | 8 3/8       | 24 1/4       | 18                            |
| TH4321R        | 6 7/8       | 10 5/8      | 3 5/16      | 7 1/8        | 8                             |
| TH4322R        | 9 7/8       | 17 1/2      | 5           | 10 1/8       | 10                            |
| TH4323R        | 9 7/8       | 22 1/4      | 5           | 10 5/8       | 10                            |
| TH4324R        | 14          | 31 1/2      | 5 5/16      | 14 1/8       | 11                            |
| TH2261RDC      | 8 7/8       | 13 1/4      | 4           | 9 1/2        | 19                            |
| TH2262RDC      | 9 7/8       | 22 1/4      | 5           | 10 5/8       | 10                            |
| TH2263RDC      | 9 7/8       | 22 1/4      | 5           | 10 5/8       | 10                            |
| TH3361R        | 8 7/8       | 13 1/4      | 4           | 9 1/2        | 19                            |
| TH3361RF       | 10 2/5      | 15          | 4 1/8       | 11 3/10      | -                             |
| TH3361RF2      | 13 2/5      | 22 1/2      | 5 1/8       | 14 3/8       | -                             |
| TH3362R        | 9 7/8       | 22 1/4      | 5           | 10 5/8       | 10                            |
| TH3362RF       | 13 2/5      | 22 1/2      | 5 1/8       | 14 3/8       | -                             |
| TH3363R        | 9 7/8       | 22 1/4      | 5           | 10 5/8       | 10                            |
| TH3364R        | 14          | 31 1/2      | 5 5/16      | 14 1/8       | 11                            |
| TH3365R        | 23 1/2      | 53 1/4      | 8 3/8       | 24 1/4       | 18                            |
| TH3366R        | 23 1/2      | 53 1/4      | 8 3/8       | 24 1/4       | 18                            |
| THN2261RDC     | 8 7/8       | 13 1/4      | 4           | 9 1/2        | 19                            |
| THN2262RDC     | 9 7/8       | 17 1/2      | 5           | 10 1/8       | 10                            |
| THN2263RDC     | 9 7/8       | 17 1/2      | 5           | 10 1/8       | 10                            |
| THN3361R       | 8 7/8       | 13 1/4      | 4           | 9 1/2        | 19                            |
| THN3361RF      | 10 2/5      | 15          | 4 1/8       | 11 3/10      | -                             |
| THN3362R       | 9 7/8       | 17 1/2      | 5           | 10 1/8       | 10                            |
| THN3362RF      | 13 2/5      | 22 1/2      | 5 1/8       | 14 3/8       | -                             |
| THN3363R       | 9 7/8       | 17 1/2      | 5           | 10 1/8       | 10                            |
| THN3364R       | 14          | 31 1/2      | 5 5/16      | 14 1/8       | 11                            |
| THN3365R       | 23 1/2      | 49 1/8      | 8 3/8       | 24 1/4       | 18                            |
| THN3366R       | 23 1/2      | 53 1/4      | 8 3/8       | 24 1/4       | 18                            |

<sup>1</sup>See page 2-31.

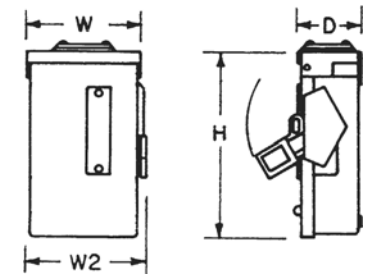


Figure 4



# Safety Switches Knockouts

Spec-Setter™ Safety Switches  
TG and TH, NEMA Type 1 and 3R Enclosures

## Section 2

### Dimensions—Knockouts

| Symbol                | A    | B   | C   | D   | E     | F     | G   | H     | J     | K     | L     | M     | N     |
|-----------------------|------|-----|-----|-----|-------|-------|-----|-------|-------|-------|-------|-------|-------|
| Conduit Size (Inches) | 9/32 | 1/2 | 1/2 | 1/2 | 1/2   | 1/2   | 3/4 | 3/4   | 1     | 1     | 2     | 2     | 2 1/2 |
|                       | —    | —   | 3/4 | 3/4 | 3/4   | 3/4   | 1   | 1     | 1 1/4 | 1 1/2 | 2 1/2 | 2 1/2 | 3     |
|                       | —    | —   | —   | 1   | 1     | 1     | —   | 1 1/4 | 1 1/2 | 2     | 3     | 3     | —     |
|                       | —    | —   | —   | —   | 1 1/4 | 1 1/2 | —   | 1 1/2 | 2     | 2 1/2 | —     | 3 1/2 | —     |

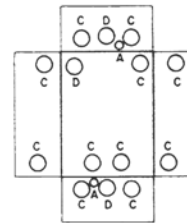


Figure 1

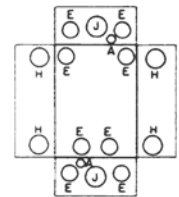


Figure 2

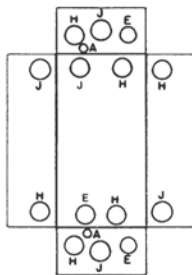


Figure 3

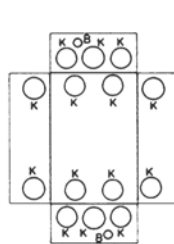


Figure 4

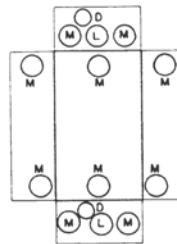


Figure 5

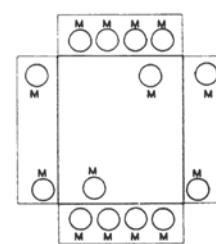


Figure 6

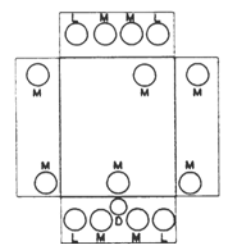


Figure 7

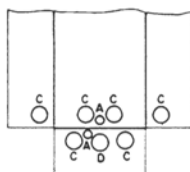


Figure 8

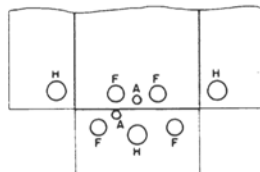


Figure 9

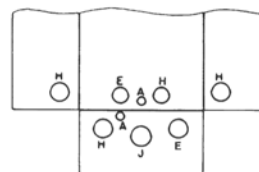


Figure 10

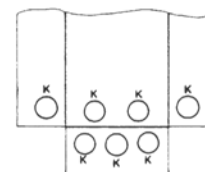


Figure 11

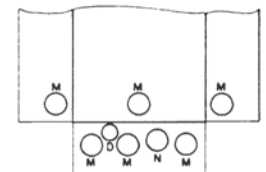


Figure 12

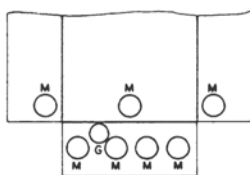


Figure 13

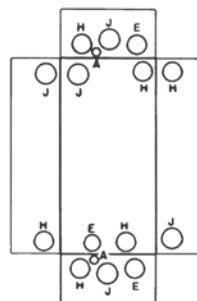


Figure 14

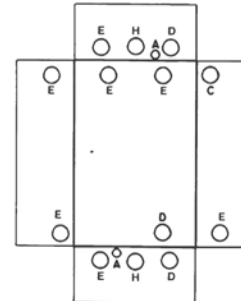


Figure 15

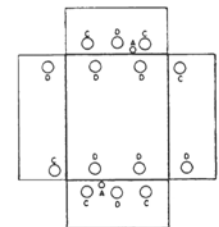


Figure 16

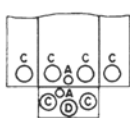


Figure 17

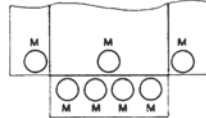


Figure 18

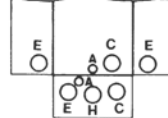


Figure 19



**Publications and Reference:** See Section 22 for a complete list of additional product-related publications

# Safety Switches Enclosure Dimensions

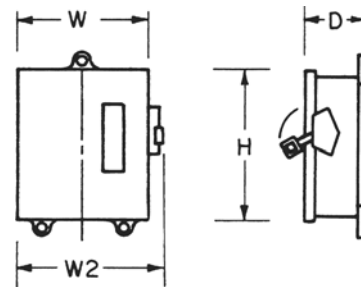
Spec-Setter™ Safety Switches

TH NEMA Type 4/4X, 12 and Mill Duty Enclosures

## Section 2

**NEMA Type 4/4X TH Approximate Dimensions in Inches Figure 1**

| Product Number | Dimension W | Dimension H | Dimension D | Dimension W2 |
|----------------|-------------|-------------|-------------|--------------|
| TH2221SS       | 7 3/8       | 11 3/8      | 5 1/16      | 8 1/8        |
| TH2222SS       | 9 3/8       | 19 3/8      | 5 1/16      | 10 1/4       |
| TH2261SSDC     | 9 3/8       | 13 3/8      | 5 5/16      | 10 1/4       |
| TH2262SSDC     | 9 3/8       | 19 3/8      | 5 5/16      | 10 1/4       |
| TH2263SSDC     | 13 1/2      | 25 3/8      | 5 5/16      | 14 1/4       |
| TH3221SS       | 7 3/8       | 11 3/8      | 5 1/16      | 8 1/8        |
| TH3222SS       | 9 7/8       | 17 1/2      | 5           | 10 1/8       |
| TH3223SS       | 9 7/8       | 22 1/4      | 5           | 10 5/8       |
| TH3224SS       | 14          | 31 1/2      | 5 5/16      | 14 1/8       |
| TH3225SS       | 23 1/2      | 49 1/8      | 8 3/8       | 24 1/4       |
| TH3226SS       | 24 5/8      | 59 9/16     | 8 3/8       | 25 3/4       |
| TH3321SS       | 7 3/8       | 11 3/8      | 5 5/16      | 8 1/8        |
| TH3322SS       | 9 3/8       | 19 3/8      | 5 5/16      | 10 1/4       |
| TH3361SS       | 9 3/8       | 13 3/8      | 5 5/16      | 10 1/4       |
| TH3362SS       | 9 3/8       | 19 3/8      | 5 5/16      | 10 1/4       |
| TH3363SS       | 13 1/2      | 25 3/8      | 5 5/16      | 14 1/4       |
| TH3364SS       | 14 1/2      | 35 1/8      | 5 5/16      | 15 1/4       |
| TH3365SS       | 24 5/8      | 59 9/16     | 8 3/8       | 25 3/4       |
| TH3366SS       | 24 5/8      | 59 9/16     | 8 3/8       | 25 3/4       |
| TH4321SS       | 7 3/8       | 11 3/8      | 5 1/16      | 8 1/8        |
| TH4322SS       | 9 3/8       | 19 3/8      | 5 1/16      | 10 1/4       |
| TH4323SS       | 13 1/2      | 25 3/8      | 5 1/16      | 14 1/4       |
| TH4324SS       | 13 1/2      | 35 1/8      | 5 5/16      | 15 1/4       |
| TH4325SS       | 24 5/8      | 59 9/16     | 8 3/8       | 25 3/4       |
| TH4326SS       | 24 5/8      | 59 9/16     | 8 3/8       | 25 3/4       |
| THN2261SSDC    | 9 3/8       | 13 3/8      | 5 1/16      | 10 1/4       |
| THN2262SSDC    | 9 3/8       | 19 3/8      | 5 1/16      | 10 1/4       |
| THN2263SSDC    | 13 1/2      | 25 3/8      | 5 5/16      | 14 1/4       |
| THN3361SS      | 9 3/8       | 13 3/8      | 5 1/16      | 10 1/4       |
| THN3362SS      | 9 3/8       | 19 3/8      | 5 1/16      | 10 1/4       |
| THN3363SS      | 13 1/2      | 25 3/8      | 5 5/16      | 14 1/4       |
| THN3364SS      | 14 1/2      | 35 1/8      | 5 5/16      | 15 1/4       |
| THN3365SS      | 24 5/8      | 59 9/16     | 8 3/8       | 25 3/4       |
| THN3366SS      | 24 5/8      | 59 9/16     | 8 3/8       | 25 3/4       |



**Figure 1**

**NEMA Type 12 TH Approximate Dimensions in Inches Figure 1**

| Product Number | Dimension W | Dimension H | Dimension D | Dimension W2 |
|----------------|-------------|-------------|-------------|--------------|
| TH2221J        | 7 3/8       | 11 3/8      | 5 1/16      | 8 1/8        |
| TH2222J        | 9 3/8       | 19 3/8      | 5 1/16      | 10 1/4       |
| TH2261JDC      | 9 3/8       | 13 3/8      | 5 5/16      | 10 1/4       |
| TH2262JDC      | 9 3/8       | 19 3/8      | 5 5/16      | 10 1/4       |
| TH2263JDC      | 13 1/2      | 25 3/8      | 5 5/16      | 14 1/4       |
| TH3221J        | 7 3/8       | 11 3/8      | 5 1/16      | 8 1/8        |
| TH3222J        | 23 1/4      | 50 7/8      | 8 3/8       | 24 1/4       |
| TH3223J        | 9 1/2       | 21 3/8      | 5           | 10 1/8       |
| TH3224J        | 13 5/8      | 31 5/8      | 5 1/4       | 14 1/2       |
| TH3225J        | 23 1/4      | 50 7/8      | 8 3/8       | 24 1/4       |
| TH3226J        | 24 5/8      | 59 9/16     | 8 3/8       | 25 3/4       |
| TH3321J        | 7 3/8       | 11 3/8      | 5 5/16      | 8 1/8        |
| TH3322J        | 9 3/8       | 19 3/8      | 5 5/16      | 10 1/4       |
| TH3361J        | 9 3/8       | 13 3/8      | 5 5/16      | 10 1/4       |
| TH3362J        | 9 3/8       | 19 3/8      | 5 5/16      | 10 1/4       |
| TH3363J        | 13 1/2      | 25 3/8      | 5 5/16      | 14 1/4       |
| TH3364J        | 14 1/2      | 35 1/8      | 5 5/16      | 15 1/4       |
| TH3365J        | 24 5/8      | 59 9/16     | 8 3/8       | 25 3/4       |
| TH3366J        | 24 5/8      | 59 9/16     | 8 3/8       | 25 3/4       |
| TH4321J        | 7 3/8       | 11 3/8      | 5 1/16      | 8 1/8        |
| TH4322J        | 9 3/8       | 19 3/8      | 5 1/16      | 10 1/4       |
| TH4323J        | 13 1/2      | 25 3/8      | 5 1/16      | 14 1/4       |
| TH4324J        | 13 1/2      | 35 1/8      | 5 5/16      | 15 1/4       |
| TH4325J        | 24 5/8      | 59 9/16     | 8 3/8       | 25 3/4       |
| TH4326J        | 24 5/8      | 59 9/16     | 8 3/8       | 25 3/4       |
| THN2261JDC     | 9 3/8       | 13 3/8      | 5 1/16      | 10 1/4       |
| THN2262JDC     | 9 3/8       | 19 3/8      | 5 1/16      | 10 1/4       |
| THN2263JDC     | 13 1/2      | 25 3/8      | 5 5/16      | 14 1/4       |
| THN3361J       | 9 3/8       | 13 3/8      | 5 1/16      | 10 1/4       |
| THN3362J       | 9 3/8       | 19 3/8      | 5 1/16      | 10 1/4       |
| THN3363J       | 13 1/2      | 25 3/8      | 5 5/16      | 14 1/4       |
| THN3364J       | 14 1/2      | 35 1/8      | 5 5/16      | 15 1/4       |
| THN3365J       | 24 5/8      | 48 1/16     | 8 3/8       | 25 3/4       |
| THN3366J       | 24 5/8      | 48 1/16     | 8 3/8       | 25 3/4       |



# Safety Switches Enclosure Dimensions

Spec-Setter™ Safety Switches

TH NEMA Type 4/4X, 12 and Mill Duty Enclosures

## Section 2

Mill Duty TH Approximate Dimensions in Inches Figure 1

| Product Number | Dimension W | Dimension H | Dimension D | Dimension W2 |
|----------------|-------------|-------------|-------------|--------------|
| TH2221M        | 7 3/8       | 11 3/8      | 5 1/16      | 9 1/4        |
| TH2222M        | 9 3/8       | 19 3/8      | 5 1/16      | 11 1/4       |
| TH2223M        | 13 1/2      | 25 3/8      | 5 1/16      | 15 1/4       |
| TH2224M        | 14 1/2      | 35 1/8      | 5 5/16      | 16 1/4       |
| TH2221MSS      | 7 3/8       | 11 3/8      | 5 1/16      | 9 1/4        |
| TH2222MSS      | 9 3/8       | 19 3/8      | 5 1/16      | 11 1/4       |
| TH2223MSS      | 13 1/2      | 25 3/8      | 5 1/16      | 15 1/4       |
| TH2224MSS      | 14 1/2      | 35 1/8      | 5 5/16      | 16 1/4       |
| TH2261MDC      | 9 3/8       | 19 3/8      | 5 5/16      | 11 1/4       |
| TH2262MDC      | 9 3/8       | 19 3/8      | 5 5/16      | 11 1/4       |
| TH2263MDC      | 13 1/2      | 25 3/8      | 5 5/16      | 15 1/4       |
| TH2261MSSDC    | 9 3/8       | 19 3/8      | 5 5/16      | 11 1/4       |
| TH2262MSSDC    | 9 3/8       | 19 3/8      | 5 5/16      | 11 1/4       |
| TH2263MSSDC    | 13 1/2      | 25 3/8      | 5 5/16      | 15 1/4       |
| TH3321M        | 7 3/8       | 11 3/8      | 5 1/16      | 9 1/4        |
| TH3322M        | 9 3/8       | 19 3/8      | 5 1/16      | 11 1/4       |
| TH3323M        | 13 1/2      | 25 3/8      | 5 1/16      | 15 1/4       |
| TH3324M        | 14 1/2      | 35 1/8      | 5 5/16      | 16 1/4       |
| TH3325M        | 24 5/8      | 59 9/16     | 8 3/8       | 25 3/4       |
| TH3326M        | 24 5/8      | 59 9/16     | 8 3/8       | 25 3/4       |
| TH3321MSS      | 7 3/8       | 11 3/8      | 5 1/16      | 9 1/4        |
| TH3322MSS      | 9 3/8       | 19 3/8      | 5 1/16      | 11 1/4       |
| TH3323MSS      | 13 1/2      | 25 3/8      | 5 1/16      | 15 1/4       |
| TH3324MSS      | 14 1/2      | 35 1/8      | 5 5/16      | 16 1/4       |
| TH3325MSS      | 24 5/8      | 59 9/16     | 8 3/8       | 25 3/4       |
| TH3326MSS      | 24 5/8      | 59 9/16     | 8 3/8       | 25 3/4       |
| TH3361M        | 9 3/8       | 19 3/8      | 5 5/16      | 11 1/4       |
| TH3362M        | 9 3/8       | 19 3/8      | 5 5/16      | 11 1/4       |
| TH3363M        | 13 1/2      | 25 3/8      | 5 5/16      | 15 1/4       |
| TH3364M        | 14 1/2      | 35 1/8      | 5 5/16      | 16 1/4       |
| TH3365M        | 24 5/8      | 59 9/16     | 8 3/8       | 25 3/4       |
| TH3366M        | 24 5/8      | 59 9/16     | 8 3/8       | 25 3/4       |
| TH3361MSS      | 9 3/8       | 19 3/8      | 5 5/16      | 11 1/4       |
| TH3362MSS      | 9 3/8       | 19 3/8      | 5 5/16      | 11 1/4       |
| TH3363MSS      | 13 1/2      | 25 3/8      | 5 5/16      | 15 1/4       |
| TH3364MSS      | 14 1/2      | 35 1/8      | 5 5/16      | 16 1/4       |
| TH3365MSS      | 24 5/8      | 59 9/16     | 8 3/8       | 25 3/4       |
| TH3366MSS      | 24 5/8      | 59 9/16     | 8 3/8       | 25 3/4       |
| THN2261MDC     | 9 3/8       | 13 3/8      | 5 5/16      | 11 1/4       |
| THN2262MDC     | 9 3/8       | 19 3/8      | 5 5/16      | 11 1/4       |
| THN2263MDC     | 13 1/2      | 25 3/8      | 5 5/16      | 15 1/4       |
| THN2261MSSDC   | 9 3/8       | 13 3/8      | 5 5/16      | 11 1/4       |
| THN2262MSSDC   | 9 3/8       | 19 3/8      | 5 5/16      | 11 1/4       |
| THN2263MSSDC   | 13 1/2      | 25 3/8      | 5 5/16      | 15 1/4       |
| THN3361M       | 9 3/8       | 19 3/8      | 5 5/16      | 11 1/4       |
| THN3362M       | 9 3/8       | 19 3/8      | 5 5/16      | 11 1/4       |
| THN3363M       | 13 1/2      | 25 3/8      | 5 5/16      | 15 1/4       |
| THN3364M       | 14 1/2      | 35 1/8      | 5 5/16      | 16 1/4       |
| THN3361MSS     | 9 3/8       | 19 3/8      | 5 5/16      | 11 1/4       |
| THN3362MSS     | 9 3/8       | 19 3/8      | 5 5/16      | 11 1/4       |
| THN3363MSS     | 13 1/2      | 25 3/8      | 5 5/16      | 15 1/4       |
| THN3364MSS     | 14 1/2      | 35 1/8      | 5 5/16      | 16 1/4       |
| THN3365M       | 24 5/8      | 48 1/16     | 8 3/8       | 25 3/4       |
| THN3365MSS     | 24 5/8      | 59 9/16     | 8 3/8       | 25 3/4       |
| THN3366M       | 24 5/8      | 48 1/16     | 8 3/8       | 25 3/4       |
| THN3366MSS     | 24 5/8      | 59 9/16     | 8 3/8       | 25 3/4       |

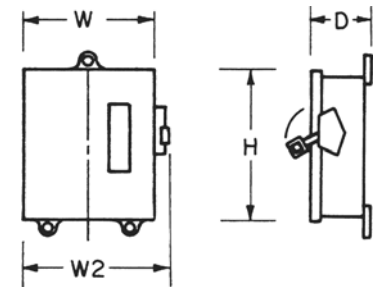


Figure 1



**Publications and Reference:** See Section 22 for a complete list of additional product-related publications

# Safety Switches Enclosure Dimensions

Spec-Setter™ Safety Switches

TH NEMA Type 4/4X, 12 and Mill Duty Enclosures

## Section 2

### Copper Lug THR Approximate Dimensions in Inches Figure 1

| Product Number | Dimension W | Dimension H | Dimension D | Dimension W2 |
|----------------|-------------|-------------|-------------|--------------|
| THR3361JCL     | 9 3/8       | 19 3/8      | 5 5/16      | 10 1/4       |
| THR3362JCL     | 9 3/8       | 19 3/8      | 5 5/16      | 10 1/4       |
| THR3363JCL     | 13 1/2      | 25 3/8      | 5 5/16      | 14 1/4       |
| THR3364JCL     | 14 1/2      | 35 1/8      | 5 5/16      | 15 1/4       |
| THR3365JCL     | 24 5/8      | 59 9/16     | 8 3/8       | 25 3/4       |
| THR3366JCL     | 24 5/8      | 59 9/16     | 8 3/8       | 25 3/4       |
| THN3361JCL     | 9 3/8       | 19 3/8      | 5 5/16      | 10 1/4       |
| THN3362JCL     | 9 3/8       | 19 3/8      | 5 5/16      | 10 1/4       |
| THN3363JCL     | 13 1/2      | 25 3/8      | 5 5/16      | 14 1/4       |
| THN3364JCL     | 14 1/2      | 35 1/8      | 5 5/16      | 15 1/4       |
| THN3365JCL     | 24 5/8      | 48 1/16     | 8 3/8       | 25 3/4       |
| THN3366JCL     | 24 5/8      | 48 1/16     | 8 3/8       | 25 3/4       |

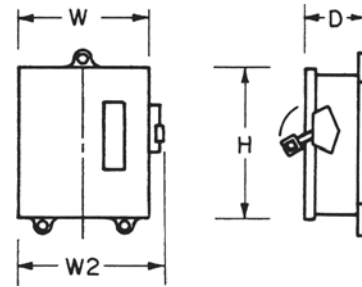


Figure 1

### 6-pole TH Approximate Dimensions in Inches Figure 1

| Product Number | Dimension W | Dimension H | Dimension D | Dimension W2 |
|----------------|-------------|-------------|-------------|--------------|
| TH6621         | 19          | 14 5/8      | 6           | 19 3/4       |
| TH6622         | 19          | 24 1/8      | 6           | 19 3/4       |
| TH6623         | 19          | 24 1/8      | 6           | 19 3/4       |
| TH6624         | 26 1/4      | 35 3/8      | 6           | 27           |
| TH6661         | 19          | 14 5/8      | 6           | 19 3/4       |
| TH6662         | 19          | 24 1/8      | 6           | 19 3/4       |
| TH6663         | 19          | 24 1/8      | 6           | 19 3/4       |
| TH6664         | 26 1/4      | 35 3/8      | 6           | 27           |
| THN6661        | 19          | 14 5/8      | 6           | 19 3/4       |
| THN6662        | 19          | 24 1/8      | 6           | 19 3/4       |
| THN6663        | 19          | 24 1/8      | 6           | 19 3/4       |
| THN6664        | 26 1/4      | 35 3/8      | 6           | 27           |

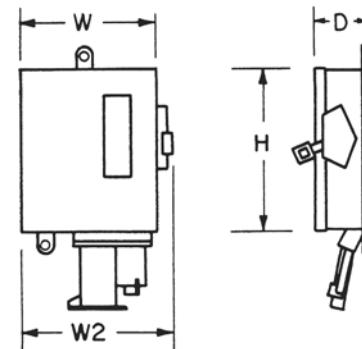


Figure 2

### Receptacle TH Approximate Dimensions in Inches Figure 2

| Product Number | Dimension W | Dimension H | Dimension D | Dimension W2 |
|----------------|-------------|-------------|-------------|--------------|
| TH3362JCH9 3/8 | 19 3/8      | 5 5/16      | 10 1/4      |              |
| THN3362JCH     | 9 3/8       | 19 3/8      | 5 5/16      | 10 1/4       |



# Safety Switches Enclosure Dimensions

Spec-Setter™ Safety Switches

TC, TDT, TPF and TPN

NEMA Type 1 and 3R Enclosures

## Section 2

### NEMA Type 1 TC Plug Fuse Approximate Dimensions in Inches Figure 1

| Product Number | Dimension W | Dimension H | Dimension D | Dimension W2 | KO Figure Number <sup>1</sup> |
|----------------|-------------|-------------|-------------|--------------|-------------------------------|
| TPF130         | 4 3/8       | 7 5/8       | 2 1/2       | 4 3/8        | 17                            |
| TPF230         | 4 3/8       | 7 5/8       | 2 1/2       | 4 3/8        | 17                            |

### NEMA Type 1 TC Double Throw Approximate Dimensions in Inches Figure 1

| Product Number | Dimension W | Dimension H | Dimension D | Dimension W2 | KO Figure Number <sup>1</sup> |
|----------------|-------------|-------------|-------------|--------------|-------------------------------|
| TC35321        | 10.37       | 15.81       | 5.33        | 12.04        | 7                             |
| TC35322        | 11.37       | 18.75       | 6.43        | 13.10        | 7                             |
| TC35323        | 14.37       | 22.37       | 8.06        | 16.12        | 9                             |
| TC35324        | 17.87       | 30.12       | 9.15        | 19.88        | 10                            |
| TC35325        | 24.40       | 34.31       | 10.52       | 26.94        | 10                            |
| TC35326        | 23.50       | 44.38       | 9.25        | 26.00        | 12                            |
| TC35362        | 11.37       | 18.75       | 6.43        | 13.10        | 7                             |
| TC35363        | 14.37       | 22.37       | 8.06        | 16.12        | 9                             |
| TC35364        | 17.87       | 30.12       | 9.15        | 19.88        | 10                            |
| TC35365        | 20.44       | 34.31       | 8.25        | 22.90        | 10                            |
| TC35366        | 23.50       | 44.38       | 9.25        | 26.00        | 12                            |

### NEMA Type 3R TC Double Throw Approximate Dimensions in Inches Figure 1

| Product Number | Dimension W | Dimension H | Dimension D | Dimension W2 | KO Figure Number <sup>1</sup> |
|----------------|-------------|-------------|-------------|--------------|-------------------------------|
| TC35321R       | 10.88       | 19.75       | 5.33        | 11.98        | No KO                         |
| TC35322R       | 11.88       | 20.80       | 6.43        | 12.98        | No KO                         |
| TC35323R       | 14.88       | 22.91       | 8.06        | 16.38        | No KO                         |
| TC35324R       | 17.87       | 30.63       | 9.15        | 19.88        | No KO                         |
| TC35325R       | 24.40       | 34.83       | 10.52       | 26.94        | No KO                         |
| TC35362R       | 11.88       | 20.80       | 6.43        | 12.98        | No KO                         |
| TC35363R       | 14.88       | 22.91       | 8.06        | 16.38        | No KO                         |
| TC35364R       | 17.87       | 30.63       | 9.15        | 19.88        | No KO                         |

### NEMA Type 1 TDT Fusible Double Throw Approximate Dimensions in Inches Figure 5

| Product Number | Dimension W | Dimension H | Dimension D | Dimension W2 | KO Figure Number <sup>1</sup> |
|----------------|-------------|-------------|-------------|--------------|-------------------------------|
| TDT3321        | -           | 37          | 9 7/8       | 12 3/4       | No KO                         |
| TDT3322        | -           | 37          | 9 7/8       | 12 3/4       | No KO                         |
| TDT3323        | -           | 37          | 9 7/8       | 12 3/4       | No KO                         |
| TDT3324        | -           | 51 3/8      | 11 1/4      | 20 3/8       | No KO                         |
| TDT3325        | -           | 74 3/4      | 14 1/8      | 26 1/8       | No KO                         |
| TDT3326        | -           | 86 1/8      | 14 1/8      | 28 1/4       | No KO                         |
| TDT3361        | -           | 37          | 9 7/8       | 12 3/4       | No KO                         |
| TDT3362        | -           | 37          | 9 7/8       | 12 3/4       | No KO                         |
| TDT3363        | -           | 37          | 9 7/8       | 12 3/4       | No KO                         |
| TDT3364        | -           | 51 3/8      | 11 1/4      | 20 3/8       | No KO                         |
| TDT3365        | -           | 74 3/4      | 14 1/8      | 26 1/8       | No KO                         |

### NEMA Type 1 TC 800 and 1200 Amp Approximate Dimensions in Inches Figure 2

| Product Number | Dimension W | Dimension H | Dimension D | Dimension W2 | KO Figure Number <sup>1</sup> |
|----------------|-------------|-------------|-------------|--------------|-------------------------------|
| TC36367        | 32 1/4      | 52 1/2      | 12 1/2      | 34           | No KO                         |
| TC36368        | 37 1/2      | 65 1/2      | 13 1/2      | 39 1/4       | No KO                         |
| TC72267        | 41 3/4      | 62          | 12 1/2      | 43 1/2       | No KO                         |
| TC72268        | 47 1/2      | 77          | 13 1/2      | 49 1/4       | No KO                         |
| TC72367        | 41 3/4      | 62          | 12 1/2      | 43 1/2       | No KO                         |
| TC72368        | 47 1/2      | 77          | 13 1/2      | 49 1/4       | No KO                         |

### NEMA Type 3R TC Double Throw Approximate Dimensions in Inches Figure 3

| Product Number | Dimension W | Dimension H | Dimension D | Dimension W2 | KO Figure Number <sup>1</sup> |
|----------------|-------------|-------------|-------------|--------------|-------------------------------|
| TC10323R       | 7 3/8       | 15 1/8      | 4           | 8 1/16       | 15                            |
| TC10324R       | 13 9/16     | 30          | 6 1/4       | 15 5/8       | 13                            |
| TC10424R       | 13 9/16     | 30          | 6 1/4       | 15 5/8       | 13                            |

### NEMA Type 3R TDT Fusible Double Throw Approximate Dimensions in Inches Figure 5

| Product Number | Dimension W | Dimension H | Dimension D | Dimension W2 | KO Figure Number <sup>1</sup> |
|----------------|-------------|-------------|-------------|--------------|-------------------------------|
| TDT3321R       | -           | 37          | 9 7/8       | 12 3/4       | No KO                         |
| TDT3322R       | -           | 37          | 9 7/8       | 12 3/4       | No KO                         |
| TDT3323R       | -           | 37          | 9 7/8       | 12 3/4       | No KO                         |
| TDT3324R       | -           | 51 3/8      | 11 1/4      | 20 3/8       | No KO                         |
| TDT3363R       | -           | 37          | 9 7/8       | 12 3/4       | No KO                         |
| TDT3364R       | -           | 51 3/8      | 11 1/4      | 20 3/8       | No KO                         |

<sup>1</sup>See page 2-37.

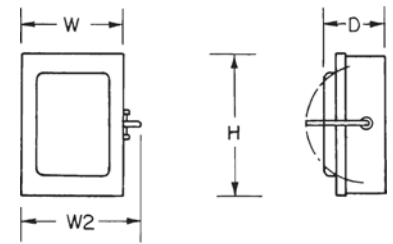


Figure 1

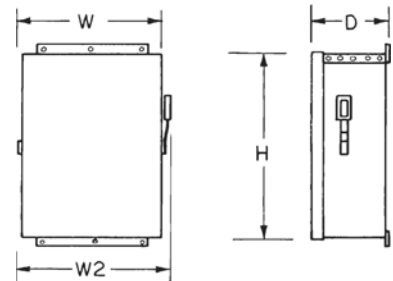


Figure 2

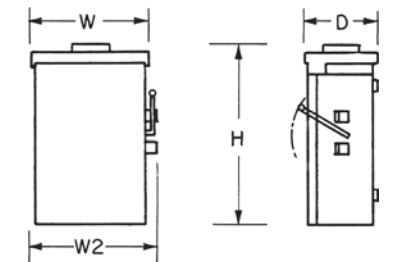


Figure 3

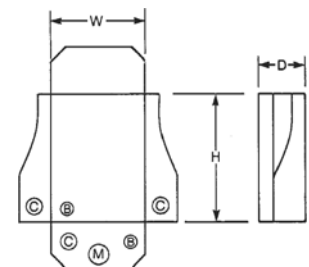


Figure 4

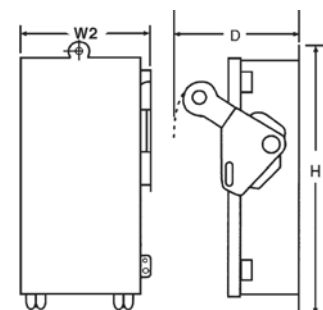


Figure 5



**Publications and Reference:** See Section 22 for a complete list of additional product-related publications

# Safety Switches Enclosure Dimensions

Spec-Setter™ Safety Switches

TC, TDT, TPF and TPN

NEMA Type 1 and 3R Enclosures

## Section 2

### NEMA Type 3R TC 800 and 1200 Amp Approximate Dimensions in Inches Figure 2

| Product Number | Dimension W | Dimension H | Dimension D | Dimension W2 | KO Figure Number |
|----------------|-------------|-------------|-------------|--------------|------------------|
| TC72267R       | 41 3/4      | 62          | 12 1/2      | 43 1/2       | No KO            |
| TC72268R       | 47 1/2      | 77          | 13 1/2      | 49 1/4       | No KO            |
| TC72367R       | 41 3/4      | 62          | 12 1/2      | 43 1/2       | No KO            |
| TC72368R       | 47 1/2      | 77          | 13 1/2      | 49 1/4       | No KO            |

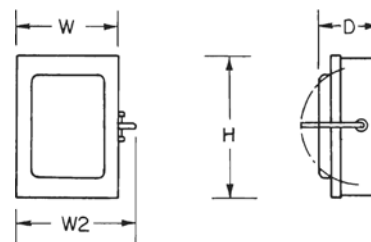


Figure 1

### NEMA Type 3R TP AC Disconnect Approximate Dimensions in Inches Figure 4

| Product Number | Dimension W | Dimension H | Dimension D | Dimension W2 | KO Figure Number <sup>1</sup> |
|----------------|-------------|-------------|-------------|--------------|-------------------------------|
| TPF30R         | 5 3/4       | 8           | 3 1/8       | —            | 5                             |
| TPF60R         | 5 3/4       | 8           | 3 1/8       | —            | 5                             |
| TPN60R1        | 5           | 7 1/4       | 2 1/8       | —            | 5                             |
| TPNA60R1       | 5           | 7 1/4       | 2 1/8       | —            | 5                             |

<sup>1</sup>See page 2-37.

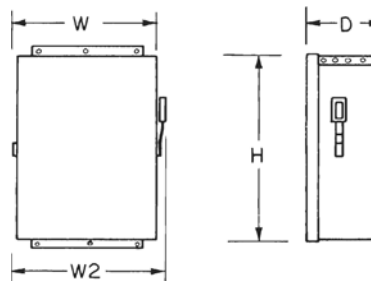


Figure 2

### NEMA Type 3R TF AC Disconnect Approximate Dimensions in Inches Figure 5

| Product Number | Dimension W | Dimension H | Dimension D | Dimension W2 | KO Figure Number <sup>1</sup> |
|----------------|-------------|-------------|-------------|--------------|-------------------------------|
| TF30R          | 4 3/4       | 7 1/2       | 2           | —            | 16                            |
| TF60R          | 6 1/2       | 9           | 3 1/4       | —            | 16                            |
| TFN60R         | 4 3/4       | 7 1/2       | 2           | —            | 16                            |
| TFN60RGFR      | 5 3/4       | 7 1/8       | 5 3/16      | —            | 16                            |

<sup>1</sup>See page 2-37.

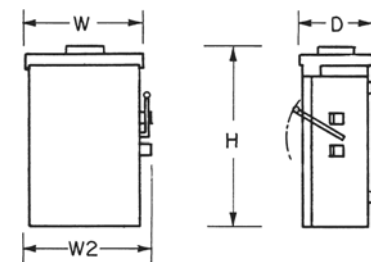


Figure 3

### NEMA Type 3R TN AC Disconnect Approximate Dimensions in Inches Figure 5

| Product Number | Dimension W | Dimension H | Dimension D | Dimension W2 | KO Figure Number <sup>1</sup> |
|----------------|-------------|-------------|-------------|--------------|-------------------------------|
| TNA60R1        | 4 3/4       | 7 1/2       | 2           | —            | 16                            |
| TNA60RGFR      | 5 3/4       | 7 1/8       | 5 3/16      | —            | 16                            |

<sup>1</sup>See page 2-37.

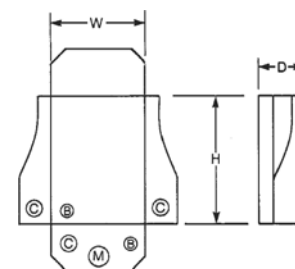


Figure 4

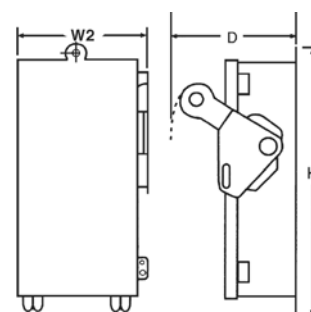


Figure 5



# Safety Switches Knockouts

Spec-Setter™ Safety Switches  
TC, TDT, TPF and TPN  
NEMA Type 1 and 3R Enclosures

## Section 2

### Dimensions—Knockouts

| Symbol                      | A   | B   | C   | D   | E     | F     | G     | H     | J     | K     | L     | M     | N   |
|-----------------------------|-----|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| Conduit<br>Size<br>(Inches) | 1/2 | 1/2 | 3/4 | 1/2 | 3/4   | 1     | 1 1/4 | 2     | 2 1/2 | 2     | 3     | 1     | 3/4 |
|                             | —   | 3/4 | 1   | 3/4 | 1     | 1 1/4 | 1 1/2 | 2 1/2 | 3     | 2 1/2 | 3 1/2 | 1 1/4 | —   |
|                             | —   | —   | —   | 1   | 1 1/4 | 1 1/2 | 2     | —     | —     | 3     | —     | —     | —   |

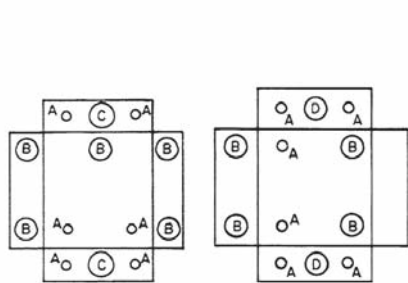


Figure 6

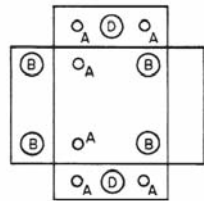


Figure 7

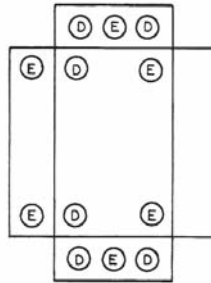


Figure 8

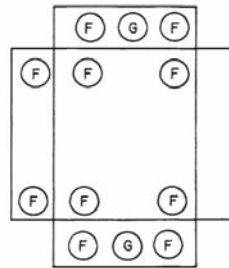


Figure 9

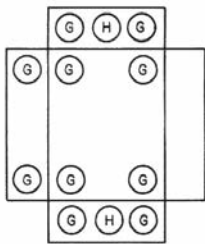


Figure 10

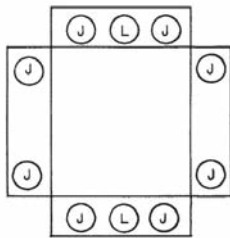


Figure 11

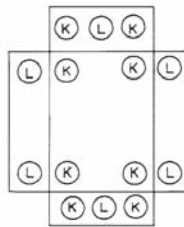


Figure 12

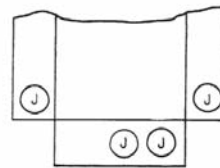


Figure 13

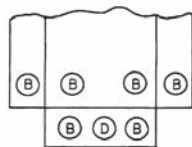


Figure 14

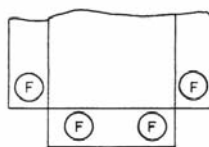


Figure 15

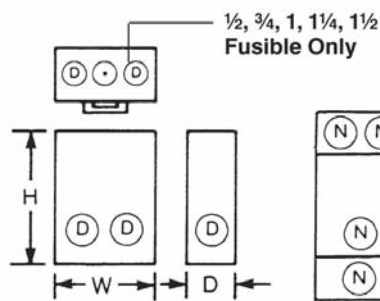


Figure 16

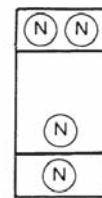


Figure 17



**Publications and Reference:** See Section 22 for a complete list of additional product-related publications

# Safety Switches

## Low Voltage Construction Fuses

GE Consumer and Industrial Fuse Program in partnership with Ferraz Shawmut

Contact your local GE Consumer and Industrial sales representative for fuse applications, specification, and sizing assistance.

### 600V CLASS J T-D AJT

#### Features and Benefits

- Solid State SmartSpot Indicator
- Time delay for motor starting and transformer inrush
- 300kA interrupting rating - self-certified, UL witnessed tests
- Low peak let-thru current
- Current limiting UL class fuse
- Small footprint requires less mounting space and allows smaller, more economical fuse blocks
- Easy 2-to-1 selectivity helps prevent nuisance shutdowns
- Unique Class J dimensions help prevent replacement errors
- Metal-embossed date and product number for traceability and lasting identification
- Fiberglass body provides dimensional stability in harsh industrial settings
- High-grade silica filler designed for fast arc quenching
- Optional EI Indicator/Switch mount for AJT70 to 600 open fuse indication

#### Ratings

- AC: 1 to 600A, 600 Vac, 200kA I.R. (self-certified for 600 Vac, 300kA I.R., UL witnessed)
- DC: 1 to 600A, 500 Vdc, 100kA I.R.



### 600V CLASS J T-D A4BQ

#### Features and Benefits

- Faster operation under short circuit conditions: Let-thru currents are typically 20% lower, with a corresponding let-thru energy (clearing  $I^2t$ ) up to 40% lower than the next fastest Class L fuse
- Time delay for high inrush loads such as motors and transformers, without nuisance opening
- 300kA interrupting rating - self-certified, UL witnessed tests
- Extremely current limiting for lower peak let-thru current.
- Pure silver links ensure low let-thru current and longer fuse life
- Easy 2-to-1 selectivity helps prevent nuisance shutdowns and “blackouts”
- Rejection-style design deters replacement errors
- Helps reduce inventory because A4BQ can replace all older types of Class L fuses now in service
- Metal-embossed date and product number for traceability and lasting identification
- Fiberglass body provides dimensional stability in harsh industrial settings
- High-grade silica filler designed for fast arc quenching

#### Ratings

- AC: 100 to 6000A, 600 Vac, 200kA I.R. (self-certified for 600 Vac, 300kA I.R., UL witnessed)  
4-second delay at 500% rating. Note: 100-600A ratings are non-listed
- DC: 601 to 3000A, 600 Vdc, 100kA I.R.



### 600V CLASS L A4BY

#### Features and Benefits

- Unique dimensions help prevent replacement by other fuse classes
- Blade stamped product numbers for permanent identification
- Glass melamine body and plated terminals provide superior reliability in harsh environments

#### Ratings

- AC: 200 to 6,000A  
600 Vac, 200kA I.R.
- DC: 200 to 2500A  
300 Vdc, 100kA I.R.



SmartSpot, AmpTrap and UltraSafe are trademarks, and Tri-onic is a registered trademark of Ferraz Shawmut.



# Safety Switches

## Low Voltage Construction Fuses

GE Consumer and Industrial Fuse Program in partnership with Ferraz Shawmut

Contact your local GE Consumer and Industrial sales representative for fuse applications, specification, and sizing assistance.

### 250 and 600V ONE TIME OT and OTS

#### Features and Benefits

- Easy to read imprint label for quick recognition and replacement
- Low cost

#### Ratings

- OT
  - AC: 1 to 600A, 250 Vac, 50kA I.R.
  - DC: 1 to 600A, 250 Vdc, 20kA I.R.
- OTN (Canada)
  - AC: 15 to 60A, 250 Vac, 50kA I.R.
- OTS
  - AC: 1 to 600A, 600 Vac, 50kA I.R.
  - DC: 1 to 600A, 300 Vdc, 20kA I.R.



### 300 and 600V CLASS T A3T and A6T

#### Features and Benefits

- Low peak let-thru current
- Unique dimensions designed to prevent replacement by other fuse classes
- Blade-stamped product numbers for permanent identification
- Small physical size for greater design flexibility

#### Ratings

- A3T
  - AC: 1 to 1200A, 300 Vac, 200kA I.R.
  - DC: 1 to 1200A, 160 Vdc, 50kA I.R.
- A6T
  - AC: 1 to 800A, 600 Vac, 200kA I.R.
  - DC: 1 to 800A, 300 Vdc, 100kA I.R.



### 600V CLASS J F-A A4J

#### Features and Benefits

- High current limitation for low peak let-thru current
- Unique dimensions designed to prevent replacement by other fuse classes
- Fiberglass body provides dimensional stability in harsh industrial environments
- Easy-to-read imprint label for quick recognition and replacement

#### Ratings

- AC: 1 to 600A, 600 Vac, 200kA I.R.
- DC: 1 to 600A, 300 Vdc, 20kA I.R.



**Publications and Reference:** See Section 22 for a complete list of additional product-related publications

# Safety Switches

## Low Voltage Construction Fuses

GE Consumer and Industrial Fuse Program in partnership with Ferraz Shawmut

Contact your local GE Consumer and Industrial sales representative for fuse applications, specification, and sizing assistance.

### 250 and 600V RK1 T-D A2D and A6D

#### Features and Benefits

- Solid State SmartSpot Indicator
- Time delay for motor starting and transformer inrush currents without nuisance opening
- 300kA interrupting rating - self-certified, UL witnessed tests
- Low peak let-thru current
- Easy 2-to-1 selectivity helps prevent nuisance shut downs and “black outs”
- Rejection-style design deters replacement errors (when used with recommended fuse blocks)
- Helps reduce inventory by taking the place of RK5, K, and H fuses
- Metal-embossed date and product number for easier traceability and lasting identification
- Fiberglass body provides dimensional stability in harsh industrial settings
- Brass end-caps (blade-style) for cooler operation and superior performance

#### Ratings

- A2D
  - AC: 1/10 to 600A, 250 Vac, 200kA I.R. (self-certified for 250 Vac, 300kA I.R., UL witnessed)
- A6D
  - AC: 1/10 to 600A, 600 Vac, 200kA I.R. (self-certified for 600 Vac, 300kA I.R.)

### 250 and 600V RK1 F-A A2K and A6K

#### Features and Benefits

- Rejection style design deters replacement by other fuse classes
- Fiberglass body provides dimensional stability in harsh industrial environments
- Easy-to-read imprint label for quick recognition and replacement
- High degree of current limitation for low peak let-thru current

#### Ratings

- A2K
  - AC: 1 to 600A, 250 Vac, 200kA I.R.
  - DC: 1 to 600A, 250 Vdc, 200kA I.R.
- A6K
  - AC: 1 to 600A, 600 Vac, 200kA I.R.
  - DC: 1 to 600A, 300 Vdc, 200kA I.R.

### 250 and 600V RK5 T-D TR-R and TRS-R

#### Features and Benefits

- Solid State SmartSpot Indicator
- Time delay for motor start-ups and transformer inrush currents without nuisance opening
- Current limiting for low peak let-thru current
- Rejection-style design deters replacement errors (when used with recommended fuse blocks)
- Easy-to-read label for quick recognition and replacement
- Metal-embossed date and product number for traceability and lasting identification
- Fiberglass body provides dimensional stability in harsh industrial settings
- Brass end-caps (blade-style) for cooler operation and superior performance
- High-grade silica filler designed for fast arc quenching and high current limitation

#### Ratings

- TR
  - AC: 1/10 to 600A, 250 Vac, 200kA I.R.
  - DC: 1/10 to 2 8/10A and 35 to 400A, 250 Vdc, 20kA I.R.; 3 to 30A and 450 to 600A, 160 Vdc, 20kA I.R.
- TRS
  - AC: 1/10 to 600A, 600 Vac, 200kA I.R.
  - DC: 1/10 to 12A, 600 Vdc, 20kA I.R.; 70 to 600A, 600 Vdc, 100kA I.R.; 15 to 60A, 300 Vdc, 20kA I.R.

SmartSpot, AmpTrap and UltraSafe are trademarks, and Tri-onic is a registered trademark of Ferraz Shawmut.

## Section 2



# Safety Switches

## Low Voltage Construction Fuses

GE Consumer and Industrial Fuse Program in partnership with Ferraz Shawmut

## Section 2

Contact your local GE Consumer and Industrial sales representative for fuse applications, specification, and sizing assistance.

### 250V and 600V FBs

#### Ratings

- 600 Vac, 30A
  - Min. voltage to operate indicator light: 90 Vac [Less than 0.7 mA leakage current at 600V]
- Special Indicator for 24 Vdc, 30A
- Special Indicator for 48 Vdc, 30A
- Withstand rating:
  - Class CC 200kA I.R.
  - Midget Fuse 100kA I.R.



### PDBs

#### Features and Benefits

- Finger-Safe
  - Fully insulated block. Recessed termination screws and wire openings provide IP20 grade protection and qualify as “finger-safe” per IEC 529.
- Compact Modularity
  - Single or multiple pole configurations in the most compact footprint. Allows users to build smaller or higher density panels.
- Snap on DIN Rail Mounting
  - Sizes 1 to 4 feature integral DIN rail adaptors allowing for quick and easy installations on 35mm DIN rail yielding lower installed costs.
- Captive Termination Screws
  - Unique channel design ensures captive metric wire termination screws. Screws can never be lost.
- Available Accessories
  - For multi-pole panel mounting, simply snap in pins for rigid fit. Cap plugs provide the ability to maintain touch safety on unused openings. Circuit identification markers simply snap into blocks to ID circuits. End anchors provide rigid end stops.



#### Ratings

- Ampere ratings from 175 to 840A
- 600V rated



**Publications and Reference:** See Section 22 for a complete list of additional product-related publications

## NOTES:

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.