

EZ Selector - Selection Assistance
EZ Selector - Selection Assistance ..... 3-2
Safety Switches EZ Selector - Selection Assistance ..... 3-2
Safety Switches EZ Selector - Selection Assistance ..... 3-2
Wiring Diagrams ..... 3-3
Light Duty Safety Switches ..... 3-4
Light Duty—Visible Blades 10 kA Short Circuit Current Rating ..... 3-4
General Duty Safety Switches ..... 3-5
General Duty—Up to 100 kA Short Circuit Current Rating ..... 3-5
240 Volt-Single Throw Fusible Switches ..... 3-5
240 Volt-Single Throw Non-Fusible Switches ..... 3-5
UL Listed Maximum Short Circuit Current Ratings - AC Only ..... 3-5
Accessories and Lug Data ..... 3-7
Field-Installed Fuse Puller Kits ..... 3-7
Field-Installed Electrical Interlock Kits ..... 3-7
Equipment Grounding Kits3-7
Field-Installed Lug Kit 400 A - 600 A ..... 3-7
Terminal Lug Data3-7
Dimensions for General Duty Safety Switches ..... 3-8
Heavy Duty Safety Switches ..... 3-9
240 Volt—Single Throw Fusible Switches ..... 3-9
600 Volt—Single Throw Fusible Switches ..... 3-10
600 Volt—Single Throw Non-Fusible Switches ..... 3-11
UL Listed Maximum Short Circuit Current Ratings-AC only ..... 3-12
Special Applications ..... 3-13
Receptacle Switches ..... 3-15
Accessories and Special Features ..... 3-16
Dimensions for Heavy Duty Safety Switches ..... 3-22
NEMA Type 1 and 3R ..... 3-22
NEMA Type 4, 4X, 5, 7, 9, and 12 ..... 3-23
Double Throw Safety Switches ..... 3-25
Fusible and Non-Fusible Overview ..... 3-25
240 Volt — Double Throw Safety Switches ..... 3-26
600 Volt - Double Throw Safety Switches ..... 3-27
Accessories and Lug Data ..... 3-28
Application Data ..... 3-30
Terminal Lug Data ..... 3-31
Dimensions for Double Throw Safety Switches ..... 3-32
Series F Devices 30-100 A ..... 3-32
Series A, E, and T4 Devices ..... 3-32


## Safety Switches EZ Selector - Selection Assistance Safety Switches EZ Selector - Selection Assistance

## EZ Selector

Steps to select a safety switch.

1. Select product type:

- General duty safety switch
- Heavy duty safety switch
- Double throw safety switch

2. Select switch type.
3. Select fuse type: fused, non-fused, cartridge, class Tor plug
4. Select maximum voltage: $240 \mathrm{Vac}, 600 \mathrm{Vac}$
5. Select amperes:

- General/light duty - $30 \mathrm{~A}, 60 \mathrm{~A}, 100 \mathrm{~A}, 200 \mathrm{~A}, 400 \mathrm{~A}, 800 \mathrm{~A}$
- Heavy duty - 30 A, 60 A, 100 A, 200 A, 225 A, 400 A, 600 A, 800 A, 1200 A
- Double throw-30 A, 60 A, 100 A, 200 A, 600 A

6. Select number of poles:

- General/light duty - 1, 2 or 3
- Heavy duty - 2, 3, 4 or 6
- Double Throw- 2, 3, 4 or 6

7. Select if neutral is needed.
8. Select enclosure type:

- General/light duty - NEMA 1, NEMA 3R
- Heavy duty - NEMA1, NEMA 12K, NEMA 3R, 5, 12, NEMA 4, 4X, 5 (stainless steel 304), NEMA 4, 4X, 5 (stainless steel 316)
- Double throw - NEMA1, NEMA 12K, NEMA 3R, 5, 12, NEMA 4, 4X, 5 (stainless steel 304)
- Optional enclosure types for special heavy duty applications.


## Additional Information

- Search "Safety Switches" from our technical FAQs page: www.schneider-electric.us/ en/faqs/home/
- Refer to catalog 3100CT1602.

Wiring Diagrams


Light Duty—Visible Blades 10 kA Short Circuit Current Rating
The Square D light duty enclosed switch is ideal for home applications in disconnecting power to workshops, hobby rooms, furnaces, and garages. The light duty safety switch has visible blades and a ground lug as standard features.

## Table 3.1: Fusible



## General Duty-Up To 100 kA Short Circuit Current Rating

General duty safety switches are designed for residential and commercial applications where durability and economy are prime considerations. Typical loads are lighting, air conditioning, and appliances. They are suitable for use as service equipment when equipped with a factory or field-installed neutral assembly or a field-installed service grounding kit, (see page 3-7) as applicable. General duty safety switches are UL Listed, File E2875, and meet or exceed the NEMA Standard KS1.

## 240 Volt-Single Throw Fusible Switches

Table 3.2: Fusible


| Amperes | Fuse | NEMA <br> Type 1 <br> Indoor <br> Cat. No. | NEMA <br> Type 3R [1] Rainproof Cat. No. | Class R Fuse Kits [2] <br> Cat. No. | Line Side Barriers Factory Included[3] | Horsepower Ratings |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Std. (Fast Acting One-Time Fuses) |  | Max. (Dual Element Time-Delay Fuses) |  |
|  |  |  |  |  |  | 1б | $3 \varnothing$ | $1 \varnothing$ | $3 \varnothing$ |
| 2 Wire (1 Blade and Fuseholder, 1 Neutral)-120 Vac |  |  |  |  |  |  |  |  |  |
| 30 | Plug | Use Light D | ce for this App | e above) | - | - | - | - | - |
| 30 | Cart. | Use th | e devices for th | tion. | - | - | - | - | - |
| 3 Wire (2 Blades and Fuseholders, 1 Neutral)-120/240 Vac (Plug), 240 Vac (Cart.) Maximum |  |  |  |  |  |  |  |  |  |
| 30 | Plug | D211N | D211NRB | - | - | 1-1/2 | - | 3 | - |
| 30 | Cart. | D221N | D221NRB | DRK30 | - | 1-1/2 | 3 [4] | 3 | 7-1/2 [4] |
| 60 | Cart. | D222N | D222NRB | RFK03H | Factory Included | 3 | 7-1/2 [4] | 10 | 15 [4] |
| 100 | Cart. | D223N | D223NRB | RFK10 | Factory Included | 7-1/2 | 15 [4] | 15 | 30 [4] |
| 200 | Cart. | D224N [5] | D224NRB [5] | HRK1020 | Factory Included | 15 | 25 [4] | - | 60 [4] |
| 400 | Cart. | D225N | D225NR | DRK40 | - | - | - | - | - |
| 600 [6] | Cart. | D226N | D226NR | DRK600 | - | - | - | - | - |
| 4 Wire (3 Blades and Fuseholders, 1 Neutral)-240 Vac Maximum |  |  |  |  |  |  |  |  |  |
| 30 | Cart. | D321N | D321NRB | DRK30 | - | 1-1/2 | 3 | 3 | 7-1/2 |
| 60 | Cart. | D322N | D322NRB | RFK03H | Factory Included | 3 | 7-1/2 [7] | 10 | 15 [7] |
| 100 | Cart. | D323N | D323NRB | RFK10 | Factory Included | 7-1/2 | 15 [7] | 15 | 30 [7] |
| 200 | Cart. | D324N [5] | D324NRB [5] | HRK1020 | Factory Included | 15 | 25 [7] | - | 60 [7] |
| 400 | Cart. | D325N | D325NR | DRK40 | LSBI02 | - | 50 | - | 125 |
| 400 [8] | Class T | D325NT | D325NTR | - | LSBI02 | - | 50 | - | - |
| 600 [6] | Cart. | D326N | D326NR | DRK600 | LSBI02 | - | 75 | - | 150 |
| 600 [8] | Class T | D326NT | D326NTR | - | LSBI02 | - | 75 | - | - |
| 800 [8] | Class T | T327N | T327NR | - | LSBI02 | - | 100 | - | - |

Table 3.3: Non-Fusible

| System | Amperes | NEMA Type 1 Indoor Cat. No. | NEMA Type 3R Rainproof [9] <br> Cat. No. | Line Side Barriers[10] | Horsepower Ratings (Max.) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | $1 \varnothing$ | $3 \varnothing$ |
| 2 Wire (2 Blades)-240 Vac Maximum |  |  |  |  |  |  |
| $0$ | 30 | - | DU221RB | LSBD202 | 3 | - |
|  | 60 | - | DU222RB | LSBD202 | 10 | - |
|  | 60 | QO260NATS [11] [12][13] | QO200TR [11] [12] [13] | LSBD202 | 10 | - |
|  | 100 | QO2000NS [11] [12] | QO2000NRB [11] | LSBD202 | 20 | - |
|  | 200 | Use 3P Switch | Use 3P Switch | - | - | - |
|  | 400 | Use 3P Switch | Use 3P Switch | - | - | - |
|  | 600 | Use 3P Switch | Use 3P Switch | - | - | - |
| 3 Wire (3 Blades)-240 Vac Maximum |  |  |  |  |  |  |
|  | 30 | DU321 | DU321RB | LSBD202 | 3 | 7-1/2 |
|  | 60 | DU322 | DU322RB | LSBD202 | 10 | 15 |
|  | 100 | DU323 [14] | DU323RB [14] | [10] | 15 | 30 |
|  | 200 | DU324 [15] | DU324RB [15] | [10] | 15 | 60 |
|  | 400 | DU325 | - | LSBI02 | - | 125 |
|  | 600 | DU326 [16] | - | LSBI02 | - | 150 |

## UL Listed Maximum Short Circuit Current Ratings - AC Only

Table 3.4: Fusible Safety Switch Short Circuit Current Rating

| Fuse Class | UL Listed Short Circuit Rating |
| :---: | :---: |
| Plug | 10 kA |
| $\mathrm{H}, \mathrm{K}$ | 10 kA |

[1] Bolt-on hubs —Refer to Rainproof Bolt-On Hubs, Table 1.27, page 3-16.
[2] When properly installed, the Class R Fuse Kit rejects all but Class R fuses.
[3] Factory included to prevent inadvertent contact with live parts per UL 869A and NEC Service entrance barrier requirements.
[4] For corner grounded delta systems, use switching poles for ungrounded conductors. See data bulletin 2700DB0202 for additional information.
[5] For 200\% neutral, order (1) additional neutral kit SN20A and (1) neutral jumper kit SN20NI.
[6] Order Class J Fuse Kit GDJK600 if using Class J fuses.
[7] If corner grounded delta system, use outer switching poles for ungrounded conductors.
[8] D325NT, D325NTR, D326NT, D326NTR, T327N and T327NR accept only 300Vac Class T fuses.
[9] Bolt-on hubs—Refer to Hubs, page 3-16.
[10] Factory included to prevent inadvertent contact with live parts per UL 869A and NEC Service entrance barrier requirements.
[11] Enclosed molded case switch—Refer to Section 1.
[12] Includes factory-installed grounding kit.
[13] Not service entrance rated-Refer to Table 3.34 for more information.
[14] If a neutral assembly is required, order and field install SN0610.
[15] If a neutral assembly is required, order and field install a SN20A Neutral Assembly Kit. For a 200\% neutral application, order and field install (2) SN20A Neutral Assembly Kits and (1) SN20NI Neutral Jumper Kit.
[16] If a neutral assembly is required, order and field install D600SN

Table 3.4 Fusible Safety Switch Short Circuit Current Rating (cont'd.)

| Fuse Class | UL Listed Short Circuit Rating |
| :---: | :---: |
| J [17], R | 100 kA |
| T [18] | 100 kA |

Non-Fusible Safety Switches
Systems equal or less than 10 kAIR SCCR-Any brand of circuit breaker or fuse not exceeding the ampere rating of the switch may be used in conjunction with a non-fusible safety switch.
Systems above 10 kAIR SCCR-The UL Listed short circuit current rating for Square D non-fusible switches is based upon the switch being used in conjunction with fuses or Square D circuit breakers or Mag-Gard motor circuit protectors.

Table 3.5: Non-Fusible Safety Switch Short Circuit Current Rating

| Fuse Class or Circuit Breaker Type [19] | UL Listed Short Circuit Rating |
| :---: | :---: |
| Any Brand Circuit Breaker | 10 kA |
| H or J PowerPact Circuit Breaker | Up to $65 \mathrm{kA} \mathrm{[20]}$ |
| H, K | 10 kA |
| J, R | $100 \mathrm{kA} \mathrm{[21]}$ |
| T | $100 \mathrm{kA} \mathrm{[22]}$ |

Field-Installed Fuse Puller Kits
Kit consists of three fuse pullers as required for a 3P, fusible, 60 or 100 A general duty switch. Kits can be installed only in 60 or 100 A Series F fusible switches.
Table 3.6: Fuse Puller Kits

Fuse Puller Kit

| Switch Ampere Rating | Series No. | Cat. No. |
| :---: | :---: | :---: |
| 60 | F | FPK03 |
| 100 | F | FPK0610 |

Field-Installed Electrical Interlock Kits
Electrical interlocks for Series F 100-200 A general duty safety switches \& Series F 60 A fusible general duty safety switches are available in kit form for field installation. Each kit contains instructions for proper field mounting. A pivot arm operates from switch mechanism, breaking the control circuit before the main switch blades break. Switches with electrical interlocks installed are UL Listed.

Table 3.7: Electrical Interlock Kit

| Switch <br> Amperes Rating | Electrical Interlock Kit Cat. No. |
| :---: | :---: |
| $[23]$ |  |$|$| Fusible Series F 60 | EIK031 or EIK032 |
| :---: | :---: |
| Series F 100-200 | EIK1 or EIK2 |

Table 3.8: Electrical Interlock Contact Ratings [24]

| Interlock Type | AC 50 or 60 Hz |  |  |  | DC |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Volts | Make | Break | Cont. | Volts | Make / Break | Cont. |
| $\begin{gathered} 1 \text { N. O. / } 1 \text { N. C. } \\ \text { Contact } \\ \text { (-1 Suffix [25]) } \end{gathered}$ | 120 | 40.00 A | 15.00 A | 15.00 A | 115 | 0.50 A | 15.00 A |
|  | 240 | 20.00 A | 10.00 A | 15.00 A | 230 | 0.25 A | 15.00 A |
| 2 N. O. / 2 N. C. Contacts <br> (-2 Suffix [26]) | 120 | 30.00 A | 3.00 A | 10.00 A | 115 | 1.00 A | 10.00 A |
|  | 240 | 15.00 A | 1.5 A | 10.00 A | 230 | 0.30 A | 10.00 A |

## Equipment Grounding Kits



Table 3.9: Equipment Grounding Kits

| Switch Ampere Rating | Cat. No. | Lug Wire Range (AWG) |
| :---: | :---: | :---: |
| 30 [27] | Std. | (1) $14-10 \mathrm{Cu}$ or (1) $12-8 \mathrm{Al}$ |
| 30 | PK3GTA1 | (3) $14-4 \mathrm{Cu}$ or (3) $12-4 \mathrm{Al}$ or (6) $14-12 \mathrm{Cu}$ or (6) $12-10 \mathrm{Al}$ |
| 60 [28] | GTK03 | (2) $14-4 \mathrm{Cu}$ or (2) $12-4 \mathrm{Al}$ (4) $14-12 \mathrm{Cu}$ or (4) $12-10 \mathrm{Al}$ |
| 100 | GTK0610 | (2) $14-1 / 0 \mathrm{Cu}$ or (2) $12-1 / 0 \mathrm{Al}(2) 14-6 \mathrm{Cu}$ or (2) $12-6 \mathrm{Al}$ |
| 200 | PKOGTA2 | (2) $10-2 / 0 \mathrm{Cu}$ or (2) $6-2 / 0 \mathrm{Cu} \mathrm{Al}$ |
| 400,600 | PKOGTA2 [29] | (2) $10-2 / 0 \mathrm{Cu}$ or (2) $6-2 / 0 \mathrm{Cu} \mathrm{Al}$ |
| 800 | PKOGTA3 | (6) $6-3 / 0 \mathrm{Al} / \mathrm{Cu}$ Max. |

Field-Installed Lug Kit 400 A - 600 A
Table 3.10: Field-Installed Lug Kit 400 A - 600 A

| Switch Ampere Rating | Lug Kit Cat. No. | Wire Range/NEC | Lug Wire Range |
| :---: | :---: | :---: | :---: |
| 400 or 600 Series $[30]$ | GD4060LK | $1-1 / 0-600 \mathrm{kcmil}$ <br> $2-1 / 0-50 \mathrm{kcmil}$ <br> $4-1 / 0-250 \mathrm{kcmil}$ | $2-1 / / 0-600 \mathrm{kcmil}$ <br> $4-1 / 0-250 \mathrm{kcmil}$ |

Terminal Lug Data
Table 3.11: Terminal Lug Data [31]

| Amperes | Conductors Per Phase | Wire Range <br> Wire Bending Space Per NEC Table 312.6 AWG/kcmil | Lug Wire Range AWG/kcmil |
| :---: | :---: | :---: | :---: |
| 30 [32] | 1 | 12-8 (Al) or 14-8 (Cu) | 12-8 (Al) or 14-8 (Cu) |
| 30 | 1 | 12-6 (Al) or 14-6 (Cu) | 12-6 (Al) or 14-6 (Cu) |
| 60 | 1 | 12-3 (Al) or 14-3 (Cu) | 12-2 (Al) or 14-2 (Cu) |
| 100 | 1 | 12-1 (Al) or 14-1 (Cu) | 12-1/0 (Al) or 14-1/0 (Cu) |
| 200 | 1 | $6-250$ ( $\mathrm{Al} / \mathrm{Cu}$ ) | $6-300$ ( $\mathrm{Al} / \mathrm{Cu}$ ) |
| $\begin{aligned} & \text { 400 } \\ & \text { NEMA } \\ & \text { Type } 1 \end{aligned}$ | 1 or 2 | $\begin{gathered} 1 / 0-600(\mathrm{Al} / \mathrm{Cu}) \text { or } \\ 1 / 0-300(\mathrm{~A} / \mathrm{Cu}) \end{gathered}$ | (1) $1 / 0-750(\mathrm{Al} / \mathrm{Cu})$ or (2) $1 / 0-300(\mathrm{Al} / \mathrm{Cu})$ |
| $\begin{gathered} 400 \\ \text { NEMA } \\ \text { Type 3R } \end{gathered}$ | 2 | 1/0-250 (A//Cu) | (1) $1-600(\mathrm{~A} / \mathrm{Cu})$ or (2) $1 / 0-250(\mathrm{Al} / \mathrm{Cu})$ |
| 600 | 2 | $4-500$ ( $\mathrm{Al} / \mathrm{Cu}$ ) | $4-600$ ( $\mathrm{Al} / \mathrm{Cu}$ ) |
| 800 | 3 | 3/0-500 (A//Cu) | $3 / 0-500(\mathrm{Al/Cu})$ |

[^0]Dimensions for General Duty Safety Switches
Table 3.12: Approximate Dimensions

| Cat.No. | Series | H |  | W |  | W/H |  | D |  | Std. Pack |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | in. | mm | in. | mm | in. | mm | in. | mm |  |
| L111N | E2 | 7.63 | 194 | 5.00 | 127 | 127 | 156 | 4.00 | 102 | 1 |
| L211N | E2 | 7.63 | 194 | 5.00 | 127 | 6.13 | 156 | 4.00 | 102 | 1 |
| L221N | E2 | 7.63 | 194 | 5.00 | 127 | 6.13 | 156 | 4.00 | 102 | 1 |
| D211N | E3 | 9.25 | 235 | 6.75 | 171 | 7.25 | 184 | 3.63 | 92 | 5 |
| D211NRB | E2 | 9.63 | 245 | 7.25 | 184 | 7.75 | 197 | 3.75 | 95 | 5 |
| D221N | E3 | 9.25 | 235 | 6.75 | 171 | 7.25 | 184 | 3.63 | 92 | 5 |
| D221NRB | E3 | 9.63 | 245 | 7.25 | 184 | 7.75 | 197 | 3.75 | 95 | 5 |
| D222N | F1 | 14.63 | 372 | 6.50 | 165 | 7.45 | 189 | 4.88 | 124 | 1 |
| D222NRB | F1 | 14.88 | 378 | 6.63 | 168 | 7.45 | 189 | 4.88 | 124 | 1 |
| D223N | F3 | 17.50 | 445 | 8.50 | 216 | 10.50 | 267 | 6.50 | 165 | 1 |
| D223NRB | F3 | 17.50 | 445 | 8.50 | 216 | 10.50 | 267 | 6.50 | 165 | 1 |
| D224N | F1 | 29.00 | 737 | 17.25 | 438 | 19.00 | 483 | 8.25 | 210 | 1 |
| D224NRB | F1 | 29.25 | 743 | 17.25 | 438 | 19.00 | 483 | 8.25 | 210 | 1 |
| D225N | E3 | 45.12 | 1146 | 24.00 | 610 | 24.88 | 632 | 8.88 | 226 | 1 |
| D225NR | E1 | 30.63 | 778 | 21.38 | 543 | 22.25 | 565 | 10.13 | 257 | 1 |
| D226N | E3 | 49.13 | 1248 | 24.00 | 610 | 24.88 | 632 | 8.88 | 226 | 1 |
| D226NR | E1 | 49.13 | 1248 | 24.75 | 629 | 25.13 | 638 | 8.88 | 226 | 1 |
| D321N | E3 | 9.25 | 235 | 6.75 | 171 | 7.25 | 184 | 3.63 | 92 | 5 |
| D321NRB | E3 | 9.63 | 245 | 7.25 | 184 | 7.75 | 197 | 3.75 | 95 | 5 |
| D322N | F1 | 14.63 | 372 | 6.50 | 165 | 7.45 | 189 | 4.88 | 124 | 1 |
| D322NRB | F1 | 14.88 | 378 | 6.63 | 168 | 7.45 | 189 | 4.88 | 124 | 1 |
| D323N | F3 | 17.50 | 445 | 8.50 | 216 | 10.50 | 267 | 6.50 | 165 | 1 |
| D323NRB | F3 | 17.50 | 445 | 8.50 | 216 | 10.50 | 267 | 6.50 | 165 | 1 |
| D324N | F1 | 29.00 | 737 | 17.25 | 438 | 19.00 | 483 | 8.25 | 210 | 1 |
| D324NRB | F1 | 29.25 | 743 | 17.25 | 438 | 19.00 | 483 | 8.25 | 210 | 1 |
| D325N | E3 | 45.12 | 1146 | 24.00 | 610 | 24.88 | 632 | 8.88 | 226 | 1 |
| D325NT | E3 | 45.12 | 1146 | 24.00 | 610 | 24.88 | 632 | 8.88 | 226 | 1 |
| D325NR | E1 | 30.63 | 778 | 21.38 | 543 | 22.25 | 565 | 10.13 | 257 | 1 |
| D325NTR | E1 | 30.63 | 778 | 21.38 | 543 | 22.25 | 565 | 10.13 | 257 | 1 |
| D326N | E3 | 49.13 | 1248 | 24.00 | 610 | 24.88 | 632 | 8.88 | 226 | 1 |
| D326NT | E3 | 49.13 | 1248 | 24.00 | 610 | 24.88 | 632 | 8.88 | 226 | 1 |
| D326NR | E1 | 49.13 | 1248 | 24.75 | 629 | 25.13 | 638 | 8.88 | 226 | 1 |
| D326NTR | E1 | 49.13 | 1246 | 24.75 | 629 | 25.13 | 638 | 8.88 | 226 | 1 |
| DU221RB | E2 | 9.63 | 245 | 7.25 | 184 | 7.75 | 197 | 3.75 | 95 | 5 |
| DU222RB | E1 | 9.63 | 245 | 7.25 | 184 | 7.75 | 197 | 3.75 | 95 | 5 |
| DU321 | E2 | 9.25 | 235 | 6.75 | 171 | 7.25 | 184 | 3.63 | 92 | 5 |
| DU321RB | E2 | 9.63 | 245 | 7.25 | 184 | 7.75 | 197 | 3.75 | 95 | 5 |
| DU322 | E1 | 9.25 | 235 | 6.75 | 171 | 7.25 | 184 | 3.63 | 92 | 5 |
| DU322RB | E1 | 9.63 | 245 | 7.25 | 184 | 7.75 | 197 | 3.75 | 95 | 5 |
| DU323 | F3 | 17.50 | 445 | 8.50 | 216 | 10.50 | 267 | 6.50 | 165 | 1 |
| DU323RB | F3 | 17.50 | 445 | 8.50 | 216 | 10.50 | 267 | 6.50 | 165 | 1 |
| DU324 | F1 | 29.00 | 737 | 17.25 | 438 | 19.00 | 483 | 8.25 | 210 | 1 |
| DU324RB | F1 | 29.25 | 743 | 17.25 | 438 | 19.00 | 483 | 8.25 | 210 | 1 |
| DU325 | E3 | 45.12 | 1146 | 24.00 | 610 | 24.88 | 632 | 8.88 | 226 | 1 |
| DU326 | E3 | 49.13 | 1248 | 24.00 | 610 | 24.88 | 632 | 8.88 | 226 | 1 |
| QO200TR | G3 | 6.50 | 165 | 4.63 | 118 | - | - | 3.88 | 99 | 5 |
| QO260NATS | E2 | 9.25 | 235 | 4.88 | 124 | - | - | 3.25 | 83 | 1 |
| QO2000NRB | E1 | 14.00 | 356 | 7.75 | 197 | - | - | 4.50 | 114 | 1 |
| QO2000NS | E1 | 13.38 | 340 | 6.13 | 156 | - | - | 3.50 | 89 | 1 |
| T327N | E1 | 49.13 | 1248 | 24.00 | 610 | 24.88 | 632 | 8.88 | 226 | 1 |
| T327NR | E1 | 49.13 | 1248 | 24.75 | 629 | 25.13 | 638 | 8.88 | 226 | 1 |

Heavy Duty Safety Switches


NEMA Type 1


NEMA Type 3R


NEMA Type
Stainless Stee


NEMA Type 12

Visible blade heavy duty safety switches are designed for application where maximum performance and continuity of service are required. All heavy duty safety switches feature quick-make, quick-break operating mechanism, a dual cover interlock and a color coded indicator handle. They are suitable for use as service equipment when equipped with a field- or factory-installed neutral assembly or equipment grounding kit, unless a $600 \mathrm{Y} / 347 \mathrm{~V}$ or $480 \mathrm{Y} / 277 \mathrm{~V}, 1000 \mathrm{~A}$ or greater, solidly grounded WYE system is used, per NEC $230-95$. Heavy duty safety switches are UL Listed (except as noted). Files E2875 and E154828 meet or exceed the NEMA Standard KS1. For UL Listed short circuit current ratings, see

UL Listed Maximum Short Circuit Current Ratings-AC only, page 3-12.
Table 3.13: 240 Volt-Single Throw Fusible

| Amperes | NEMA <br> Type 1 <br> Indoor | NEMA Type 3R Rainproof (Bolt-on Hubs [1] | NEMA Type 4, 4X, 5, [2] <br> 304 Stainless Steel [3) Dust tight, Watertight, Corrosion Resistant (Watertight Hubs [1]) | NEMA Type 12K With Knockouts (Watertight Hubs [1]) | NEMA Type 3R, 5 or 12 [4] Without Knockouts (Watertight Hubs [1]) | Line Side Barriers Factory Included[5] | Horsepower Ratings |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  | 240 Vac |  |  |  | 250 Vdc [6] |
|  |  |  |  |  |  |  | (Usin Act One Tim | Fast ng, Fuses) |  | ax. g Dual nt, Time Fuses) |  |
|  | Cat. No. | Cat. No. | Cat. No. | Cat. No. | Cat. No. |  | 1ø | $3 \varnothing$ | 1б | 3. |  |
| 2-Wire (2 Blades and Fuseholders)-240 Vac, 250 Vdc |  |  |  |  |  |  |  |  |  |  |  |
| 30 | Use three-wire devices For two-wire applications |  | H221DS | H221A | H221AWK | Factory Included | 1-1/2 | 3 [7] | 3 | $\begin{aligned} & \hline 7-1 / 2 \\ & {[7]} \\ & \hline \end{aligned}$ | 5 |
| 30 |  |  | - | - | H2212AWK [8] | Factory Included | 1-1/2 | - | 3 | - | 5 |
| 60 |  |  | H222DS | - | H222AWK | Factory Included | 3 | $\begin{gathered} \hline 7-1 / 2 \\ {[7]} \\ \hline \end{gathered}$ | 10 | 15 [7] | 10 |
| 100 |  |  | H223DS | H223A | H223AWK | Factory Included | 7-1/2 | 15 [7] | 15 | 30 [9] | 20 |
| 200 |  |  | H224DS | H224A | H224AWK | Factory Included | 15 | 25 [7] | - | 60 [7] | 40 |
| 400 | H225 | H225R | H225DS | - | H225AWK | LSBG202 | - | - | - | - | 50 |
| 600 | H226 | H226R | H226DS | - | H226AWK | LSBG202 | - | 75 [7] | - | 200 [7] | 50 |
| 800 | H227 | H227R[10] | - | - | H227AWK | LSBF202 | 50 | - | - | - | 50 |
| 1200 | H228 | H228R [10] | - | - | H228AWK | LSBF202 | 50 | - | - | - | 50 |
| 3-Wire (2 Blades and Fuseholders, 1 Neutral)-240 Vac, 250 Vdc |  |  |  |  |  |  |  |  |  |  |  |
| 30 | H221N | H221NRB | Use two-wire devices, <br> See Field-Installed Neutral Assemblies, page 3-19 |  |  | Factory Included | 1-1/2 | 3 [7] | 3 | $\begin{aligned} & \hline 7-1 / 2 \\ & {[9]} \\ & \hline \end{aligned}$ | 5 |
| 60 | H222N | H222NRB |  |  |  | Factory Included | 3 | $\begin{aligned} & \hline 7-1 / 2 \\ & {[7]} \\ & \hline \end{aligned}$ | 10 | 15 [7] | 10 |
| 100 | H223N | H223NRB |  |  |  | Factory Included | 7-1/2 | 15 [7] | 15 | 30 [7] | 20 |
| 200 | H 224 N | H224NRB |  |  |  | Factory Included | 15 | 25 [7] | - | 60 [7] | 40 |
| 400 | H 225 N | H225NR | H225NDS | - | H225NAWK | LSBG202 | - | 50 [7] | - | 125 [7] | 50 |
| 600 | H226N | H226NR | H226NDS | - | H226NAWK | LSBG202 | - | 75 [7] | - | 200 [7] | 50 |
| 800 | H227N | H227NR [10] | - | - | H227NAWK | LSBF202 | 50 | - | - | - | 50 |
| 1200 | H228N | H228NR [10] | - | - | H228NAWK | LSBF202 | 50 | - | - | - | 50 |
| 3-Wire (3 Blades and Fuseholders)-240 Vac, 250 Vdc |  |  |  |  |  |  |  |  |  |  |  |
| 30 | Use four-wire devices For three-wire applications |  | H321DS | H321A | H321AWK | Factory Included | 1-1/2 | 3 | 3 | 7-1/2 | 5 |
| 60 |  |  | H322DS | H322A | H322AWK | Factory Included | 3 | 7-1/2 | 10 | 15 | 10 |
| 100 |  |  | H323DS | H323A | H323AWK | Factory Included | 7-1/2 | 15 | 15 | 30 | 20 |
| 200 |  |  | H324DS | H324A | H324AWK | Factory Included | 15 | 25 | - | 60 | 40 |
| 400 | H325 | H325R | H325DS | - | H325AWK | LSBG203 | - | 50 | - | 125 | 50 |
| 600 | H326 | H326R | H326DS | - | H326AWK | LSBG203 | - | 75 | - | 200 | 50 |
| 800 | H327 | H327R [10] | - | - | H327AWK | LSBF203 | 50 | 100 | - | 250 | 50 |
| 1200 | H328 | H328R [10] | - | - | H328AWK | LSBF203 | 50 | 100 | - | 250 | 50 |
| 4-Wire (3 Blades and Fuseholders, 1 Neutral)-240 Vac, 250 Vdc |  |  |  |  |  |  |  |  |  |  |  |
| 30 | H321N | H321NRB | Use three-wire devices, <br> See Field-Installed Neutral Assemblies, page 3-19 |  |  | Factory Included | 1-1/2 | 3 | 3 | $2^{7-1 /}$ | 5 |
| 60 | H322N | H322NRB |  |  |  | Factory Included | 3 | $2^{7-1 /}$ | 10 | 15 | 10 |
| 100 | H323N | H323NRB |  |  |  | Factory Included | 7-1/2 | 15 | 15 | 30 | 20 |
| 200 | H324N | H324NRB |  |  |  | Factory Included | 15 | 25 | - | 60 | 40 |
| 400 | H325N | H325NR | H325NDS | - | H325NAWK | LSBG203 | - | 50 | - | 125 | 50 |
| 600 | H326N | H326NR | H326NDS | - | H326NAWK | LSBG203 | - | 75 | - | 200 | 50 |
| 800 | H327N | H327NR [10] | - | - | H327NAWK | LSBF203 | 50 | 100 | - | 250 | 50 |
| 1200 | H328N | H328NR [10] | - | - | H328NAWK | LSBF203 | 50 | 100 | - | 250 | 50 |

Accessories: see page 3-16
Dimensions: NEMA Type 1 and 3 R, see page 3-22
Dimensions: NEMA Type 4, 4X and 5 Stainless and NEMA Type 12, see page 3-23

[^1]Class 3130 / Refer to Catalog 3100CT1602
www.se.com/us

600 Volt—Single Throw Fusible
Table 3.14: 600 Volt—Single Throw Fusible

| Amperes | NEMA <br> Type 1 <br> Indoor | NEMA Type 3R <br> Rainproof (Bolt-on Hubs [11] | NEMA Type 4, 4X, 5 [12] 304 Stainless Steel <br> (316 stainless [13]) Dust tight, Watertight, Corrosion Resistant (Watertight Hubs [11]) | $\begin{aligned} & \text { NEMA Type } \\ & \text { 12K } \\ & \text { With } \\ & \text { Knockouts } \\ & \text { (Watertight } \\ & \text { Hubs [11]) } \end{aligned}$ | NEMA Type <br> 3R, 5 or 12 [14] <br> Without Knockouts (Watertight Hubs [11] | Line Side Barriers Factory Included [15] | Horsepower Ratings |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  | 480 Vac |  | 600 Vac |  | dc [16] |  |
|  |  |  |  |  |  |  | Std. (Using Fast Acting, Fuses) | $\begin{aligned} & \text { Max. } \\ & \text { (Using } \\ & \text { Dual } \\ & \text { Element, } \\ & \text { Time } \\ & \text { Delay } \\ & \text { Fuses) } \end{aligned}$ | Std. <br> (Using Fast <br> Acting, <br> One <br> Time <br> Fuses) | $\begin{gathered} \text { Max. } \\ \text { (Using } \\ \text { Dual } \\ \text { Element, } \\ \text { Time } \\ \text { Delay } \\ \text { Fuses) } \end{gathered}$ |  |  |
|  | Cat. No. | Cat. No. | Cat. No. | Cat. No. | Cat. No. |  | 3б | $3 \varnothing$ | $3 \varnothing$ | $3 \varnothing$ | 250 | 600 |
| 2-Wire (2 Blades and Fuseholders)-600 Vac, 600 Vdc |  |  |  |  |  |  |  |  |  |  |  |  |
| 30 | Use three-wire devices for two-wire applications |  |  |  |  | - | - | - | - | - | - | - |
| 60 |  |  |  |  |  | - | - | - | - | - | - | - |
| 100 |  |  |  |  |  | - | - | - | - | - | - | - |
| 200 |  |  |  |  |  | - | - | - | - | - | - | - |
| 400 | H265 | H265R | H265DS | - | H265AWK | LSBG602 | 100 [17] | 250 [17] | - | - | 50 | 50 |
| 600 | H266 | H266R | H266DS | - | H266AWK | LSBG602 | 150 [17] | 400 [17] | - | - | 50 | 50 |
| 800 | H267 | H267R [18] | - | - | H267AWK | LSBF602 | - | - | - | - | - | 50 |
| 1200 | H268 | H268R [18] | - | - | H268AWK | LSBF602 | - | - | - | - | - | 50 |
| 3-Wire (3 Blades and Fuseholders)-600 Vac, 600 Vdc |  |  |  |  |  |  |  |  |  |  |  |  |
| 30 | H361 | H361RB | H361DS | H361A | H361AWK | Factory included | 5 | 15 | 7-1/2 | 20 | 5 | 15 |
| 30 | H3612 [19] | H3612RB [19] | - | H3612A [19] | $\begin{gathered} \hline \text { H3612AWK } \\ {[19]} \\ \hline \end{gathered}$ | Factory included | 5 | 15 | 7-1/2 | 20 | - | 15 |
| 60 | H362 | H362RB | H362DS | H362A | H362AWK | Factory included | 15 | 30 | 15 | 50 | - | 30 |
| 100 | H363 | H363RB | H363DS | H363A | H363AWK | Factory included | 25 | 60 | 30 | 100 | - | 50 |
| 200 | H364 | H364RB | H364DS | H364A | H364AWK | Factory included | 50 | 125 | 60 | 150 | 40 | 50 |
| 400 | H365 | H365R | H365DS | - | H365AWK | LSBG602 | 100 | 250 | 125 | 350 | 50 | 50 |
| 600 | H366 | H366R | H366DS | - | H366AWK | LSBG602 | 150 | 400 | 200 | 500 | 50 | 50 |
| 800 | H367 | H367R [18] | - | - | H367AWK | LSBF602 | 200 | 500 | 250 | 500 | - | 50 |
| 1200 | H368 | H368R [18] | - | - | H368AWK | LSBF602 | 200 | 500 | 250 | 500 | - | 50 |
| 4-Wire (3 Blades and Fuseholders, 1 Neutral)-600 Vac, 600 Vdc |  |  |  |  |  |  |  |  |  |  |  |  |
| 30 | H361N | H361NRB | Use three-wire devices, See Field-Installed Neutral Assemblies, page 3-19 |  |  | Factory included | 5 | 15 | 7-1/2 | 20 | - | 15 |
| 60 | H362N | H362NRB |  |  |  | Factory included | 15 | 30 | 15 | 50 | - | 30 |
| 100 | H363N | H363NRB |  |  |  | Factory included | 25 | 60 | 30 | 75 | - | 50 |
| 200 | H364N | H364NRB | H364NDS | H364NA | H364NAWK | Factory included | 50 | 125 | 60 | 150 | 40 | 50 |
| 400 | H365N | H365NR | H365NDS | - | H365NAWK | LSBG602 | 100 | 250 | 125 | 350 | 50 | 50 |
| 600 | H366N | H366NR | H366NDS | - | H366NAWK | LSBG602 | 150 | 400 | 200 | 500 | 50 | 50 |
| 800 | H367N | H367NR [18] | - | - | H367NAWK | LSBF602 | 200 | 500 | 250 | 500 | - | 50 |
| 1200 | H368N | H368NR [18] | - | - | H368NAWK | LSBF602 | 200 | 500 | 250 | 500 | - | 50 |
| 4-Wire (4 Blades and Fuseholders)-600 Vac, 600 Vdc [20] |  |  |  |  |  |  | $2 \varnothing$ | $2 \varnothing$ | $2 \varnothing$ | $2 \varnothing$ |  |  |
| 30 | H461 | - | H461DS | - | H461AWK | Factory included | 7-1/2 | 20 | 10 | 25 | 5 | 15 |
| 60 | H462 | - | H462DS | - | H462AWK | Factory included | 15 | 40 | 20 | 50 | 10 | 30 |
| 100 | H463 | - | H463DS | - | H463AWK | Factory included | 25 | 60 | 30 | 75 | 20 | 30 |
| 200 | H464 | - | H464DS | - | H464AWK | Factory included | 50 | 125 | 60 | 150 | 40 | 50 |
| 400 | H465 | - | - | - | H465AWK | QTY (2): LSBG602 | 100 | 250 | 125 | 350 | 50 | 50 |
| 600 | H466 | - | - | - | - | QTY (2): LSBG602 | 150 | 400 | 200 | 500 | 50 | 50 |
| 6-Wire (6 Blades and Fuseholders)-600 Vac[20] |  |  |  |  |  |  | $3 \varnothing$ | $3 \varnothing$ | $3 \varnothing$ | $3 \varnothing$ |  |  |
| 100 | - | - | H663DS | - | H663AWK | Factory included | 25 | 60 | 30 | 75 | - | - |
| 200 | - | - | H664DS | - | H664AWK | Factory included | For applications requiring motor disconnect capability, see Electrical Interlock Kits, page 3-17 |  |  |  |  |  |

Accessories: see page 3-16
Dimensions: NEMA Type 1 and 3R, see page 3-22
Dimensions: NEMA Type 4, 4X and 5 Stainless and NEMA Type 12, see page 3-23
[11] For Rainproof Bolt-On Hubs and Watertight Hubs see Hubs, page 3-16
[12] Complete rating is NEMA Type 3, 3R, 4, 4X, 5 and 12 .
[13] See 316 Grade Stainless Steel 3 Pole $600 \mathrm{Vac}, 600 \mathrm{Vdc}$, page .
[14] Also suitable for NEMA Type 3R application by removing drain screw from bottom endwall.
[15] Factory included to prevent inadvertent contact with live parts per UL 869A and NEC Service entrance barrier requirements.
[16] For switching dc, use two outside switching poles.
[17] For corner grounded delta systems, use switching poles for ungrounded conductors. See data bulletin 2700DB0202 for additional information.
[18] Suitable for NEMA Type 5 applications with drain screw installed.
[19] 60 A switch with 30 A fuse spacing and clips. Must use 60 A enclosure accessories including electrical interlocks.
[20] Not suitable for use as service equipment.

## Class H, R, J, and L Fuse Provisions:

Class H or K Fuse Provisions: Fusible Square D 30-600 A heavy duty safety switches accept Class H or K fuses as standard. With Class H or K fuses installed, the switch is UL Listed for use on systems with up to 10 kA available fault current.
Class R Fuse Provisions: Fusible Square D 30-600 A heavy duty safety switches will accept Class R fuses as standard. A field-installed rejection kit is available which, when installed, rejects all but Class R fuses. With the installation of the rejection kit and Class R fuses, the switch is UL Listed for use on systems with up to 200 kA available fault current. See Class R Fuse Kits, page 3-17.
Class J Fuse Provisions: Provisions for installing Class J fuses are included in 30-400 A 600 Volt, and 100-400 A 240 Volt, fusible heavy duty safety switches. Conversion to Class $J$ fuse spacing requires relocating the load side fuse base assembly from the standard Class H fuse location to an alternate position as marked in the enclosure. With Class J fuses installed, the switch is UL Listed for use on systems with up to 200 kA available fault current. Switches rated $600 \mathrm{~A}, 240$ or 600 Volt, require the addition of an adapter kit, H600J. One kit per three-pole switch.
Class L Fuse Provisions: Fusible 800 A and 1200 A safety switches use Class L bolt-in fuses and are rated for use on systems with up to 200 kA at 600 Vac maximum. 1200 A switches accept class L fuses from 601-1200 A, 800 A switches accept class $L$ fuses from 601-800 A.

## 600 Volt-Single Throw Non-Fusible

Table 3.15: 600 Volt-Single Throw Non-Fusible

| System | Amperes | NEMA <br> Type 1 <br> Indoor | NEMA Type 3R Rainproof [21] | $\begin{gathered} \text { NEMA Type 4, 4X, } 5 \\ \text { [22] } \\ 304 \text { Stainless Steel } \\ \text { [23] } \\ \text { Dust tight, Watertight } \\ \text { Corrosion Resistant } \\ {[21]} \\ \hline \end{gathered}$ | $\begin{aligned} & \text { NEMA Type } \\ & \text { 2K } \\ & \text { With } \\ & \text { Knockouts [21] } \end{aligned}$ | NEMA Type 3R, 5 or 12 [24] Without Knockouts [21] | Line Side Barriers[25] | Horsepower Ratings (Max.) |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  | Volts ac |  |  |  |  |  | dc [26] |  |
|  |  |  |  |  |  |  |  | 240 |  | $\begin{aligned} & \text { Line } \\ & 480 \end{aligned}$ |  | 600 |  |  |  |
|  |  | Cat. No. | Cat. No. | Cat. No. | Cat. No. | Cat. No. |  | $1 \varnothing$ | $3 \varnothing$ | $1 \varnothing$ | $3 \varnothing$ | 10 | $3 \varnothing$ | 250 | 600 |
| 2-Wire (2 Blades)-600 Vac, 600 Vdc |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $9,-1$ | 30 | Use three-wire devices for two-wire applications. |  |  |  |  | - | - | - | - | - | - | - | - | - |
|  | 60 |  |  |  |  |  | - | - | - | - | - | - | - | - | - |
|  | 100 |  |  |  |  |  | - | - | - | - | - | - | - | - | - |
|  | 200 |  |  |  |  |  | - | - | - | - | - | - | - | - | - |
|  | 400 | HU265 | HU265R | HU265DS | - | HU265AWK | LSBG602 | - | 125 | - | 250 | - | - | 50 | 50 |
|  | 600 | HU266 | HU266R | HU266DS | - | HU266AWK | LSBG602 | - | 200 | - | 400 | - | - | 50 | 50 |
|  | 800 | HU267 | HU267R [27] | - | - | HU267AWK | LSBF602 | - | - | - | - | 50 | - | - | 50 |
|  | 1200 | HU268 | HU268R [27] | - | - | HU268AWK | LSBF602 | - | - | - | - | 50 | - | - | 50 |
| 3-Wire (3 Blades)-600 Vac, 600 Vdc |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| $0$ | 30 | HU361 | HU361RB | HU361DS | HU361A | HU361AWK | [25] | 5 | 10 | 7-1/2 | 20 | 10 | 30 | 5 | 15 |
|  | 30 | $\begin{gathered} \hline \text { HU361EI } \\ {[28]} \\ \hline \end{gathered}$ | $\begin{gathered} \hline \text { HU361RBEI } \\ {[28]} \\ \hline \end{gathered}$ | HU361DSEI [28] | HU361AEI [28] | $\underset{\substack{\text { HU361AWKEI } \\ \text { [28] }}}{ }$ | [25] | 5 | 10 | 7-1/2 | 20 | 10 | 30 | 5 | 15 |
|  | 30 | - | HU3612RB [29] | - | HU3612A[29] | HU3612AWK[29] | [25] | 5 | 10 | 7-1/2 | 20 | 10 | 30 | 5 | 15 |
|  | 60 | HU362 | HU362RB | HU362DS | HU362A | HU362AWK | [25] | 10 | 20 | 25 | 50 | 30 | 60 | 10 | 30 |
|  | 60 | - | - | HU362DSEI[28] | - | - | [25] | 10 | 20 | 25 | 50 | 30 | 60 | 10 | 30 |
|  | 100 | HU363 | HU363RB | HU363DS | HU363A | HU363AWK | [25] | 20 | 40 | 40 | 75 | 40 | 100 | 20 | 50 |
|  | 200 | HU364 | HU364RB | HU364DS | HU364A | HU364AWK | [25] | 15 | 60 | 50 | 125 | 50 | 150 | 40 | 50 |
|  | 400 | HU365 | HU365R | HU365DS | - | HU365AWK | LSBG602 | - | 125 | - | 250 | - | 350 | 50 | 50 |
|  | 600 | HU366 | HU366R | HU366DS | - | HU366AWK | LSBG602 | - | 200 | - | 400 | - | 500 | 50 | 50 |
|  | 800 | HU367 | HU367R [27] | - | - | HU367AWK | LSBF602 | - | - | - | 500 | 50 | 500 | - | 50 |
|  | 1200 | HU368 | HU368R [27] | - | - | HU368AWK | LSBF602 | - | - | - | - | 50 | 500 | - | 50 |
| 4-Wire (4 Blades)-600 Vac, 600 Vdc [30] |  |  |  |  |  |  |  | $2 \varnothing$ | $3 \varnothing$ | $2 \varnothing$ | $3 \varnothing$ | $2 \varnothing$ | $3 \varnothing$ |  |  |
| $\begin{array}{ll} 0 & 0 \\ 0 & 0 \\ \hdashline 0-1 \\ 0 & 0 \end{array}$ | 30 | HU461 <br> [31] | - | HU461DS | - | HU461AWK [32] | [25] | 10 | 10 | 20 | 20 | 25 | 30 | 10[33] | $\begin{gathered} \hline 15 \\ {[33]} \end{gathered}$ |
|  | 60 | $\begin{gathered} \text { HU462 } \\ \hline[31] \end{gathered}$ | - | HU462DS | - | HU462AWK | [25] | 20 | 20 | 40 | 50 | 50 | 60 | 10 | 30 |
|  | 100 | $\begin{gathered} \mathrm{HU} \cup 63 \\ {[31]} \end{gathered}$ | - | HU463DS | - | HU463AWK | [25] | 30 | 40 | 50 | 75 | 50 | 75 | 20 | 30 |
|  | 200 | HU464 [31] | - | HU464DS | - | HU464AWK | [34] | 50 | 60 | 50 | 125 | 50 | 150 | 40 | 50 |
|  | 400 | HU465 | - | - | - | HU465AWK | $\begin{gathered} \text { QTY (2): } \\ \text { LSBG602 } \\ \hline \end{gathered}$ | - | 125 | - | 250 | - | 350 | 50 | 50 |
|  | 600 | HU466 | - | - | - | - | $\begin{aligned} & \text { QTY (2): } \\ & \text { LSBG602 } \\ & \hline \end{aligned}$ | - | 200 | - | 400 | - | 500 | 50 | 50 |
| 6-Wire (6 Blades)-600 Vac [30] |  |  |  |  |  |  |  |  | $3 \varnothing$ |  | $3 \varnothing$ |  | $3 \varnothing$ |  |  |
|  | 30 | - | - | HU661DS | - | HU661AWK | [25] | - | 10 | - | 20 | - | 30 | - | - |
|  | 60 | - | - | HU662DS | - | HU662AWK | [25] | - | 20 | - | 50 | - | 60 | - | - |
|  | 100 | - | - | HU663DS | - | HU663AWK | [25] | - | 50 | - | 75 | - | 75 | - | - |
|  | 200 | - | - | HU664DS | - | HU664AWK | [25] | - | 60 | - | 125 | - | 150 | - | - |

[21] For Rainproof Bolt-On Hubs and Watertight Hubs see Hubs, page 3-16
[22] Complete rating is NEMA Type 3, 3R, 4, 4X, 5 and 12.
[23] For 316 stainless, see 316 Grade Stainless Steel-NEMA Type 3, 3R, 4, 4X, 5, 12, page 3-13.
[24] Also suitable for NEMA Type 3R application by removing drain screw from bottom endwall.
[25] Factory Included to prevent inadvertent contact with live parts per UL 869A and NEC service entrance barrier requirements.
[26] For switching dc, use two outside switching poles.
[27] Suitable for NEMA Type 5 applications with drain screw installed.
[28] Switches with El suffix are stocked with factory-installed electrical interlocks with one normally-open and one normally-closed contact.
[29] Use 60 A enclosure accessories, including electrical interlocks.
[30] Not suitable for use as service equipment.
[31] No knockouts are provided.
[32] Requires 60 A accessories. See NEMA Type 4, 4X,5, 7, 9, and 12, page 3-23 for series rating.
[33] HU461AWK (Series F6) is rated $5 \mathrm{hp} @ 250 \mathrm{Vdc}, 15 \mathrm{hp} @ 600 \mathrm{Vdc}$.
[34] Factory Included to prevent inadvertent contact with live parts. UL 869A and NEC service entrance barrier requirements.

NOTE: Consult the wiring diagram of the switch to verify the UL Listed short circuit current rating

UL Listed Maximum Short Circuit Current Ratings-AC only
Table 3.16: Fusible Safety Switches

| Heavy Duty <br> Safety Switch Type | UL Listed <br> Fuse Class | UL Listed Short Circuit <br> Current Ratings |
| :---: | :---: | :---: |
| Fusible | $\mathrm{H}, \mathrm{K}$ | 10 kA |
|  | $\mathrm{R}, \mathrm{J}, \mathrm{L}$ | $200 \mathrm{kA}[35]$ |

## Non-Fusible Safety Switches

Systems equal or less than 10 kAIR SCCR —Any brand of circuit breaker or fuse not exceeding the ampere rating of the switch may be used in conjunction with a non-fusible safety switch.
Systems above 10 kAIR SCCR-The UL Listed short circuit current rating for Square D non-fusible switches is based upon the switch being used in conjunction with fuses or Square D circuit breakers or Mag-Gard motor circuit protectors.

Table 3.17: Non-Fusible Safety Switches [36] [37]

| Switch Rating <br> (A) | Fuse or Circuit Breaker Type [38] | 3-Phase |  |  | $\begin{aligned} & 250 \mathrm{Vdc} / \\ & 600 \mathrm{Vdc} \\ & \hline \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 240 Vac | 480 Vac | 600 Vac |  |
| With Upstream Fuse Protection |  |  |  |  |  |
| All | H, K | 10 kA | 10 kA | 10 kA | Up to 10 kA |
|  | R,T,J,L | 200 kA | 200 kA | 200 kA |  |
| With Upstream Circuit Breaker Protection |  |  |  |  |  |
| All | Any brand circuit breaker | 10 kA | 10 kA | 10 kA |  |
| 30-100 | HD | 25 kA | 18 kA | 14 kA | Up to 10 kA |
| 30-100 | HG | 65 kA | 35 kA | 18 kA |  |
| 30-100 | HJ | 65 kA | 35 kA | 25 kA |  |
| 30-100 | HL | 65 kA | 35 kA | 35 kA |  |
| 30-100 | HR | 65 kA | 35 kA | 35 kA |  |
| 30-100 | FA | 14 kA | 14 kA | 14 kA |  |
| 30-100 | FH | 18 kA | 18 kA | 18 kA |  |
| 200 | HD, JD | 25 kA | 18 kA | 14 kA |  |
| 200 | HG, JG | 65 kA | 35 kA | 18 kA |  |
| 200 | HJ, JJ | 65 kA | 35 kA | 25 kA |  |
| 200 | HL, JL | 65 kA | 35 kA | 35 kA |  |
| 200 | HR, JR | 65 kA | 35 kA | 35 kA |  |
| 400 | LA | 22 kA | 22 kA | 22 kA |  |
| 400 | LH | 25 kA | 25 kA | 25 kA |  |
| 400-600 | LD | 25 kA | 18 kA | 14 kA |  |
| 400-600 | LG | 65 kA | 35 kA | 18 kA |  |
| 400-600 | LJ | 100 kA | 65 kA | 25 kA |  |
| 400-600 | LL | 100 kA | 65 kA | 50 kA |  |
| 400-600 | LR | 100 kA | 65 kA | 65 kA |  |

# Special Application Heavy Duty Safety Switches 




316 Grade Stainless Steel—NEMA Type 3, 3R, 4, 4X, 5, 12
316 stainless stee enclosure safety switches offer superior corrosion resistance to a wider range of chemicals than 304 stainless switches. 316 better resists chloride and is often used in marine, waste treatment and transportation applications. Use watertight hubs, see Hubs, page 3-16. Equipment grounding lugs are supplied as standard through 200 A. See Table 3.40 Terminal Lug Data, page 3-21 for wire Termination data for grounding lugs. (For 304 stainless switches, see 240 Volt, page 3-9 and 600 Volt, page 3-10.

Table 3.18: $\mathbf{3 1 6}$ Grade Stainless Steel 3 Pole 600 Vac, 600 Vdc

| Amperes | Cat. No | Line Side Barriers[39] | Horsepower Ratings-3ø |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $480 \mathrm{Vac}[40]$ |  | 600 Vac [40] |  | 600 Vdc [41] |
|  |  |  | Std. | Max. | Std. | Max. | Max. |
| Fusible-3P, 600 Vac, 600 Vdc |  |  |  |  |  |  |  |
| 30 | H361SS | Factory Included | 5 | 15 | 7-1/2 | 20 | 15 |
| 60 | H362SS | Factory Included | 15 | 30 | 15 | 50 | 30 |
| 100 | H363SS | Factory Included | 25 | 60 | 30 | 75 | 50 |
| 200 | H364SS | Factory Included | 50 | 125 | 60 | 150 | 50 |
| 400 | H365SS | LSBG602 | 100 | 250 | 125 | 350 | 50 |
| 600 | H366SS | LSBG602 | 150 | 400 | 200 | 500 | 50 |
| Non-Fusible-3P, $600 \mathrm{Vac}, 600 \mathrm{Vdc}$ |  |  |  |  |  |  |  |
| 30 | HU361SS | Factory Included | - | 20 | - | 30 | 15 |
| 60 | HU362SS | Factory Included | - | 50 | - | 60 | 30 |
| 100 | HU363SS | Factory Included | - | 75 | - | 100 | 50 |
| 200 | HU364SS | Factory Included | - | 125 | - | 150 | 50 |
| 400 | HU365SS | LSBG602 | - | 250 | - | 350 | 50 |
| 600 | HU366SS | LSBG602 | - | 400 | - | 500 | 50 |

## Fiberglass Reinforced Polyester Enclosures-NEMA Type 4X

Fiberglass reinforced polyester enclosures are watertight, corrosion resistant, and impervious to windblown dust, rain, and splashing liquid. The molded fiberglass is extremely stable in a wide range of operating temperatures and can withstand heavy impact. Switches are furnished with hubs, conduit provisions Table 3.41, and equipment grounding lugs. See CAD drawings of the switch to verify the UL listed short circuit current rating or the enclosed safety switch catalog. UL Listed.

Table 3.19: Fiberglass Reinforced Polyester Enclosures NEMA Type 4X 3 Pole 600 Vac, 600 Vdc

| Amperes | Cat. No. | Solid Neutral Assembly Kit | Class R Fuse Kits <br> Cat. No. | Electrical Interlock Kits Field-Installed Cat. No. |  | Line Side Barriers Factory Included [39] | Horsepower Ratings-3Ø |  |  |  |  | Hubs [42] |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | 480 Vac [43] | 600 Vac [43] |  | 600 <br> Vdc <br> [44] |  |
|  |  |  |  | 1 NO/1 NC Contacts | 2 NO/2 NC Contacts |  | Std. | Max. | Std. | Max. | Max. |  |
| Fusible-3P, 600 Vac, 600 Vdc |  |  |  |  |  |  |  |  |  |  |  |  |
| 30 | H361DF | SN03 | RFK06 | 9999TC10 | 9999TC20 |  | Factory Included | 5 | 15 | 7-1/2 | 20 | 15 | 3/4 |
| 60 | H362DF | SN03 | RFK06H | 9999TC10 | 9999TC20 | Factory Included | 15 | 30 | 15 | 50 | 30 | 1-1/4 |
| 100 | H363DF | SN0610 | RFK10 | 9999TC10 | 9999TC20 | Factory Included | 25 | 60 | 30 | 75 | 50 | 2 |
| 200 | H364DF | - | HRK1020 | 9999R8 | 9999R9 | - | 50 | 125 | 60 | 150 | 50 | 2-1/2 |
| Non-Fusible-3P, 600 Vac, 600 Vdc |  |  |  |  |  |  |  |  |  |  |  |  |
| 30 | HU361DF | SN03 | - | 9999TC10 | 9999TC20 | Factory Included | - | 20 | - | 30 | 15 | 3/4 |
| 60 | HU362DF | SN03 | - | 9999TC10 | 9999TC20 | Factory Included | - | 50 | - | 60 | 30 | 1-1/4 |
| 100 | HU363DF | SN0610 | - | 9999TC10 | 9999TC20 | Factory Included | - | 75 | - | 75 | 50 | 2 |
| 200 | HU364DF | - | - | 9999R8 | 9999R9 | - | - | 125 | - | 150 | 50 | 2-1/2 |

[39] Factory included to prevent inadvertent contact with live parts per UL 869A and NEC service entrance barrier requirements.
[40] Std.-Using fast acting, one time fuses. Max.-Using dual element time delay fuses.
[41] For switching dc use two switching poles.
[42] Two hubs and hub drilling template are provided for field installation.
[43] Std.—Using fast acting, one time fuses. Max.—Using dual element time delay fuses.
[44] For switching dc use two switching poles.

## Krydon ${ }^{\text {TM }}$ Enclosures-NEMA Type 4X

Krydon enclosures are compression molded of fiberglass reinforced polyester, specially formulated to withstand attack from almost any corrosive atmosphere found in the toughest industrial application. Switches are furnished with watertight hubs and equipment grounding lugs. See CAD drawing of the switch to verify the UL listed short circuit current rating or the enclosed safety switch catalog. UL Listed

Table 3.20: Krydon ${ }^{\text {TM }}$ Enclosures - NEMA Type 4X 3 Pole 600 Vac, 600 Vdc

| Amperes | Cat. No. | Solid Neutral Assembly Kit | Class R Fuse <br> Kits <br> Cat. No. | Electrical Interlock Kits Field-Installed Cat. No. |  | Line Side Barriers Factory Included [45] | Horsepower Ratings-3Ø |  |  |  |  | Hubs [46] |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | 480 Vac [47] | 600 Vac [47] |  | 600 Vdc [48] |  |
|  |  |  |  | 1 NO/1 NC Contact | 2 NO/2 <br> NC Contacts |  | Std. | Max. | Std. | Max. | Max. |  |
| Fusible-3P, 600 Vac, 600 Vdc |  |  |  |  |  |  |  |  |  |  |  |  |
| 30 | H361DX | H60SN | RFK06 | 9999TC10 | 9999TC20 |  | Factory Included | 5 | 15 | 7-1/2 | 20 | 15 | 3/4 |
| 60 | H362DX | H60SN | RFK06H | 9999TC10 | 9999TC20 | Factory Included | 15 | 30 | 15 | 50 | 30 | 1-1/4 |
| 100 | H363DX | SN0610 | RFK10 | 9999TC10 | 9999TC20 | Factory Included | 25 | 60 | 30 | 75 | 50 | 2 |
| Non-Fusible-3P, 600 Vac, 600 Vdc |  |  |  |  |  |  |  |  |  |  |  |  |
| 30 | HU361DX | H60SN | - | 9999TC10 | 9999TC20 | Factory Included | - | 20 | - | 30 | 15 | 3/4 |
| 60 | HU362DX | H60SN | - | 9999TC10 | 9999TC20 | Factory Included | - | 50 | - | 60 | 30 | 1-1/4 |
| 100 | HU363DX | SN0610 | - | 9999TC10 | 9999TC20 | Factory Included | - | 75 | - | 75 | 50 | 2 |



## Interlocked Receptacle Switches

Interlocked Receptacle Switches [49] are furnished with a factory-installed three-phase four-wire Appleton Powertite ${ }^{\text {TM }}$, Crouse-Hinds Style 2 Arktite ${ }^{\text {TM }}$, or Hubbellock ${ }^{\text {TM }}$ receptacle. The fourth wire is connected to the switch equipment grounding terminal and is not a solid neutral termination. Interlocking linkage between the receptacle and switch mechanism prevents insertion or removal of the plug while the switch is in the "ON" position or insertion of any plug other than specified. Grounding lugs are included. See wiring diagram of the switch to verify the UL listed short circuit current rating or the enclosed safety switch catalog.

## Appleton Powertite Receptacle

- UL Listed and CSA Certified
- Available in $30-100 \mathrm{~A}, 600 \mathrm{Vac} / 250 \mathrm{Vdc}$, fused or non-fused, NEMA Type 1, NEMA Type $4 / 4 \mathrm{X} / 5$ stainless steel and NEMA Type $12 / 3 \mathrm{R}$
- Suitable for use as service equipment (USA only)
- Receptacles are epoxy powder coated over copper-free cast aluminum

Table 3.21: Appleton Powertite Receptacle Switches

| Amperes | NEMA Type 1 | NEMA Type$3,3 R, 4$,$4 \mathrm{X}, 5,12$304 Stainless SteelEnclosure | NEMA Type 12, 3R | Use with Plug [50] | Horsepower Ratings-3Ø |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 480 Vac [51] |  | 600 Vac [52] |  | $250 \mathrm{Vdc}[53]$ |  |
|  |  |  |  |  | Std. | Max. | Std. | Max. | Std. | Max. |
| Fusible-3P, 600 Vac, 250 Vdc |  |  |  |  |  |  |  |  |  |  |
| 30 | H361WA | H361DSWA | H361AWA | ACP3034BC | 5 | 15 | 7-1/2 | 20 | 5 | - |
| 60 | H362WA | H362DSWA | H362AWA | ACP6034BC | 15 | 30 | 15 | 50 | 10 | - |
| 100 | H363WA | H363DSWA | H363AWA | ACP1034CD | 25 | 60 | 30 | 75 | 20 | - |
| Non-Fusible-3P, 600 Vac, 250 Vdc |  |  |  |  |  |  |  |  |  |  |
| 30 | HU361WA | HU361DSWA | HU361AWA | ACP3034BC | - | 20 | - | 30 | - | 5 |
| 60 | HU362WA | HU362DSWA | HU362AWA | ACP6034BC | - | 50 | - | 60 | - | 10 |
| 100 | HU363WA | HU363DSWA | HU363AWA | ACP1034CD | - | 75 | - | 100 | - | 20 |

Table 3.22: Appleton Powertite 600 Vac Short Circuit Current Rating

| Amperes | 10 kAIR Fuses | $\begin{gathered} 100 \text { kAIR } \\ \text { Fuses } \\ \hline \end{gathered}$ | $\begin{gathered} 200 \text { kAIR } \\ \text { Fuses } \\ \hline \end{gathered}$ | $\begin{gathered} 14 \text { kAIR } \\ \text { Circuit Breaker } \end{gathered}$ | $\begin{gathered} \text { 18kAIR } \\ \text { Circuit Breaker } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Fusible-3P, $600 \mathrm{Vac}, 250 \mathrm{Vdc}$ |  |  |  |  |  |
| 30 | H, K | - | J, R | - | - |
| 60 | H, K | - | $J, R$ | - | - |
| 100 | H, K | - | J, R | - | - |
| Non-Fusible-3P, $600 \mathrm{Vac}, 250 \mathrm{Vdc}$ |  |  |  |  |  |
| 30 | H, K | J, R, T [54] | J, R, T | FA | FH |
| 60 | H, K | - | J, R, T | FA | FH |
| 100 | H, K | - | J, R, T | FA | FH |

[^2]www.se.com/us

## Crouse-Hinds Arktite Receptacle

- UL Listed
- Available in 30-100 A, $600 \mathrm{Vac} / 250 \mathrm{Vdc}$, fused or non-fused, NEMA Type 1, NEMA Type 4/4X/5 stainless steel and NEMA Type 12/3R
- Suitable for use as service equipment
- Receptacles are cast aluminum, copper free for NEMA Type 1 and NEMA Type 12/3R safety switches
- Receptacles are epoxy powder coated, copper free cast aluminum for NEMA Type 4/4X/5 stainless steel safety switches

Table 3.23: Crouse-Hinds Arktite Safety Switch

| Amperes | NEMA Type 1 | NEMA Type4,4 X, 5304 Stainless SteelEnclosureCat. No. | NEMA Type 12, 3R | Use with Plug | Horsepower Ratings-3Ø |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 480 Vac [55] |  | 600 Vac [56] |  | 250 Vdc [57] |  |
|  | Cat. No. |  | Cat. No. | Cat. No. | Std. | Max. | Std. | Max. | Std. | Max. |
| Fusible-3P, $600 \mathrm{Vac}, 250 \mathrm{Vdc}$ |  |  |  |  |  |  |  |  |  |  |
| 30 | H361WC | H361DSWC | H361AWC | APJ3485 | 5 | 15 | 7-1/2 | 20 | 5 | - |
| 60 | H362WC | H362DSWC | H362AWC | APJ6485 | 15 | 30 | 15 | 50 | 10 | - |
| 100 | H363WC | H363DSWC | H363AWC | APJ10487 | 25 | 60 | 30 | 75 | 20 | - |
| Non-Fusible-3P, 600 Vac, 250 Vdc |  |  |  |  |  |  |  |  |  |  |
| 30 | HU361WC | HU361DSWC | HU361AWC | APJ3485 | - | 20 | - | 30 | - | 5 |
| 60 | HU362WC | HU362DSWC | HU362AWC | APJ6485 | - | 50 | - | 60 | - | 10 |
| 100 | HU363WC | HU363DSWC | HU363AWC | APJ10487 | - | 60 | - | 100 | - | 20 |

Table 3.24: Crouse-Hinds 600 Vac Short Circuit Current Rating

| Amperes | 10 kAIR Fuses | $\begin{gathered} 100 \text { kAIR } \\ \text { Fuses } \\ \hline \end{gathered}$ | $\begin{gathered} 200 \text { kAIR } \\ \text { Fuses } \\ \hline \end{gathered}$ | 14 kAIR Circuit Breaker | $\begin{gathered} 18 \mathrm{kAIR} \\ \text { Circuit Breaker } \\ \hline \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Fusible-3P, $600 \mathrm{Vac}, 250 \mathrm{Vdc}$ |  |  |  |  |  |
| 30 | H, K | - | J, R | - | - |
| 60 | H, K | - | $J, R$ | - | - |
| 100 | H, K | - | J, R | - | - |
| Non-Fusible-3P, $600 \mathrm{Vac}, 250 \mathrm{Vdc}$ |  |  |  |  |  |
| 30 | H, K | J, R, T [58] | J, R, T | FA | FH |
| 60 | H, K | - | J, R, T | FA | FH |
| 100 | H, K | - | J, R, T | FA | FH |

## Hubbellock Receptacle

- UL Listed
- Available in 30-100 A, $600 \mathrm{Vac} / 250 \mathrm{Vdc}$, fused or non-fused, NEMA Type 1 , and NEMA Type 12
- Suitable for use as service equipment [59]
- Receptacles are zinc plated steel for NEMA Type 1 and 12 safety switches
- Short Circuit Current Rating for fusible switches is 10 kAIR maximum when used with Class H, K, J or R fuses
- Short Circuit Current Rating for non-fusible switches is 10 kAIR maximum when protected by Class H,K, J, R or T fuses

Table 3.25: Hubbellock Receptacle Safety Switch

| Amperes | NEMA Type 1 | $\begin{aligned} & \text { NEMA } \\ & \text { Type } 12 \end{aligned}$ | Use with Plug [60] | Horsepower Ratings-30 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 480 Vac [56] |  | 600 Vac [56] |  |
|  | Cat. No. | Cat. No. | Cat. No. | Std. | Max. | Std. | Max. |
| Fusible-3P, 600 Vac |  |  |  |  |  |  |  |
| 60 | H362WH | H362AWH | SD12781 | 15 | 30 | 15 | 50 |
| Non-Fusible-3P, 600 Vac |  |  |  |  |  |  |  |
| 60 | HU362WH | HU362AWH | SD12781 | - | 50 | - | 60 |

Square D by Schneider Electric brand heavy duty safety switches are UL listed for use with the following accessories:

## Rainproof Bolt-On Hubs

- UL Listed for indoor or rainproof applications
- Suitable for use with conduit having ANSI standard taper pipe thread
- NEMA Type 3R switches with catalog number ending in RB have a bolt-on closing cap factory installed
- Accepts $3 / 4$ in. through 2-1/2 in. bolt-on hubs
- No gaskets required
- NEMA Type 3R switches with R suffix have blank top endwalls
- Accepts 3 in. through 4 in. bolt on hubs
- Gaskets provided
- Conduit entry holes must be cut in the field

Table 3.26: Rainproof Bolt-On Hubs [61]

| Conduit Size | $\mathbf{3 / 4}$ | $\mathbf{1}$ | $\mathbf{1 - 1 / 4}$ | 1-1/2 | $\mathbf{2}$ | $\mathbf{2 - 1 / 2}$ | $\mathbf{3}$ | 4 | Closing Cap |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Hub Cat. No | B075 | B100 | B125 | B150 | B200 | B250 | B300 | B400 | BCAP |

[55] Std.-Using fast acting one time fuses. Max.-Using dual element time delay fuses.
[56] Std.-Using fast acting one time fuses. Max.-Using dual element time delay fuses.
[57] For switching dc, use two outside switching poles.
[58] SCCR when using 60 Amp Max fuse.
[59] Receptacle only rated for NEMA Type 1 and 12 applications.
[60] Hubbell plug is furnished with a Kellems grip for 1-1/2 in. to 1-21/64 in. cable diameter.
[61] Gaskets are provided on 3 in . and larger hubs.

## Watertight Hubs

- UL Listed for dusttight and watertight applications
- Suitable for use with conduit having ANSI standard taper pipe thread
- Watertight hubs are field installed on NEMA Type 4/4X/5 stainless steel and NEMA Type 12/3R and 12K enclosures
- Watertight hubs are available in zinc or chrome plated finish
- Gaskets provided

Table 3.27: Watertight Hubs [62]

| Conduit Size | $\mathbf{1 / 2}$ | $\mathbf{3 / 4}$ | $\mathbf{1}$ | $\mathbf{1 - 1 / 4}$ | $\mathbf{1 - 1 / 2}$ | $\mathbf{2}$ | $\mathbf{2 - 1 / 2}$ | $\mathbf{3}$ | $\mathbf{3 - 1 / 2}$ | $\mathbf{4}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Standard-Zinc <br> Hub Cat. No | H050 | H075 | H100 | H125 | H150 | H200 | H250 | H300 | H350 | H400 |
| Chrome Plated <br> Hub Cat. No. | H050CP | H075CP | H100CP | H125CP | H150CP | H200CP | - | - | - | - |

## Electrical Interlock Kits

Electrical interlocks for heavy duty safety switches 30 A through 1200 A are available as field installed kits, or on Type 12 or Type 4X enclosure factory installed. A pivot arm operates from the switch mechanism, breaking the control circuit before the main switch blades break. See supplemental digest section 2 for contact ratings. UL Listed for factory or field installation.
For factory installation catalog numbers available on Type 12 or 4 X enclosures use the product configurator.


Table 3.28: Electrical Interlock Kit [63] [64]

| Switch <br> Amperes Rating | Series Number [65] | Electrical Interlock Kit <br> Cat. No. [66] |
| :---: | :---: | :---: |
| 30 | F5-F6 | ElK031 |
| 600 | F5-F6 | EIK032 |
| $(600 \mathrm{~V})$ | F5-F6 | ElK1 |
| 60 |  |  |
| $(240 \mathrm{~V})$ | F5-F6 | EIK2 |
| $100-200$ | F5-F7 | ElK031 |
| $30-100$ | F5-F6 | EIK032 |
| Receptable Switches | E4-E5 | EIK2 |
| Four- and Six-Pole Switches |  | EIK1 |
| $400-1200$ |  | EIK2 |

Class R Fuse Kits
When installed, kit limits switch to Class R fuses only. Kits are available for field installation. Each kit supports one three pole switch.
Table 3.29: $\mathbf{2 4 0}$ Vac — Class R Fuse Kits [67]

| Amperes | Series Number | Class R Fuse Kit Cat. No. |
| :---: | :---: | :---: |
| 30 | F5-F6 | RFK03L |
| 60 | F5-F6 | RFK03H |
| 100 | F5-F6 | RFK10 |
| 200 | F5-F6 | HRK1020 |
| 400-600 | E4-E5 | HRK4060 |

Table 3.30: $\mathbf{6 0 0}$ Vac - Class R Fuse Kits [67] [68]

| Amperes | Series Number |  |
| :---: | :---: | :---: |
| $30[69]$ | F5-F6 |  |
| 30 A | F7 Fuse Kit |  |
| Receptacle Switches | RFK03H |  |
| 30 A | F5-F6 |  |
| Four-Pole Switches | RFK06 |  |
| 60 | F5-F7 |  |
| 100 | F5-F7 |  |
| 200 | F5-F6 | E4-E5 |
| $400-600$ | RFK06H |  |

Line Side Barrier Kit
The field instable line side barrier kits are required to meet the code for service entrance applications. Barrier kits prevent accidental contact with line side, un-insullated, ungrounded or service terminal live parts.

Table 3.31: Line Side Barrier Kit

| Catalog | Description | Blades / Fuses | Safety Switch Application |
| :---: | :---: | :---: | :---: |
| LSBD202 | Line Side Barriers for General Duty and Heavy Duty | 2 or 3 | $\begin{aligned} & 240 \mathrm{~V}-30 \mathrm{~A} \\ & 240 \mathrm{~V}-60 \mathrm{~A} \end{aligned}$ |
| LSBC02 | Line Side Barriers for General Duty and Heavy Duty | 2 or 3 | $\begin{gathered} 240 \mathrm{~V}-100 \mathrm{~A} \\ 600 \mathrm{~V}-60 \mathrm{~A} \\ 600 \mathrm{~V}-100 \mathrm{~A} \end{gathered}$ |
| LSBD602 | Line Side Barriers for General Duty and Heavy Duty | 2 or 3 | $600 \mathrm{~V}-30 \mathrm{~A}$ |
| LSBE202 | Line Side Barriers for General Duty and Heavy Duty | 2 | $240 \mathrm{~V}-200 \mathrm{~A}$ |
| LSBE203 | Line Side Barriers for General Duty and Heavy Duty | 3 | $240 \mathrm{~V}-200 \mathrm{~A}$ |
| LSBE603 | Line Side Barriers for General Duty and Heavy Duty | 3 | $600 \mathrm{~V}-200 \mathrm{~A}$ |
| LSBG202 | Line Side Barriers for Heavy Duty | 2 | $\begin{aligned} & 240 \mathrm{~V}-400 \mathrm{~A} \\ & 240 \mathrm{~V}-600 \mathrm{~A} \end{aligned}$ |
| LSBG203 | Line Side Barriers for Heavy Duty | 3 | $\begin{aligned} & 240 \mathrm{~V}-400 \mathrm{~A} \\ & 240 \mathrm{~V}-600 \mathrm{~A} \\ & \hline \end{aligned}$ |
| LSBG602 | Line Side Barriers for Heavy Duty | 2 or 3 | $\begin{aligned} & 600 \mathrm{~V}-400 \mathrm{~A} \\ & 600 \mathrm{~V}-600 \mathrm{~A} \end{aligned}$ |
| LSBI02 | Line Side Barriers for General Duty | 2 or 3 | $\begin{aligned} & 240 \mathrm{~V}-400 \mathrm{~A} \\ & 240 \mathrm{~V}-600 \mathrm{~A} \\ & 240 \mathrm{~V}-800 \mathrm{~A} \end{aligned}$ |
| LSBF202 | Line Side Barriers for Heavy Duty | 2 | $\begin{array}{r} 240 \mathrm{~V}-800 \mathrm{~A} \\ 240 \mathrm{~V}-1200 \mathrm{~A} \\ \hline \end{array}$ |
| LSBF203 | Line Side Barriers for Heavy Duty | 3 | $\begin{array}{r} \hline 240 \mathrm{~V}-800 \mathrm{~A} \\ 240 \mathrm{~V}-1200 \mathrm{~A} \\ \hline \end{array}$ |
| LSBF602 | Line Side Barriers for Heavy Duty | 2 or 3 | $\begin{array}{r} 600 \mathrm{~V}-800 \mathrm{~A} \\ 600 \mathrm{~V}-1200 \mathrm{~A} \\ \hline \end{array}$ |

## Internal Barrier Kits

Internal barrier kits provide an additional barrier that helps prevent accidental contact with live parts. Field-installed transparent barriers do not restrict visual inspection of the switch. Barrier provides IEC529 IP2X "finger safe" protection when door of enclosed disconnect switch is open. Designed with convenient door for accessing fuses for replacement without removing barrier, provides allows use of test probes.
and all

Table 3.32: Internal Barrier Kits

| Cat. No. | Description | Blades / Fuses | Safety Switch Application |
| :---: | :---: | :---: | :---: |
| SS03 [70] | Barriers for Heavy Duty | 2 or 3 | $\begin{gathered} 240 / 600 \mathrm{~V}-30 \mathrm{~A} \\ 240 \mathrm{~V}-60 \mathrm{~A} \end{gathered}$ |
| SS06[71] | Barriers for Heavy Duty | 2 or 3 | $600 \mathrm{Vac}-60 \mathrm{~A}$ |
| SS10 [71] | Barriers for Heavy Duty | 2 or 3 | $\begin{aligned} & 240 \mathrm{~V}-100 \mathrm{~A} \\ & 600 \mathrm{~V}-100 \mathrm{~A} \end{aligned}$ |
| $\begin{gathered} \text { QTY (1)SS20 } \\ \text { QTY (2) 4056677550) } \end{gathered}$ | Barriers for Heavy Duty | 2 | 240 V - 200 A |
| $\begin{gathered} \text { QTY (1)SS20[71] } \\ \text { QTY (3) 4056677550[70] } \end{gathered}$ | Barriers for Heavy Duty | 3 | $240 \mathrm{~V}-200 \mathrm{~A}$ |
| SS20 [71] | Barriers for Heavy Duty | 2 or 3 | $600 \mathrm{~V}-200 \mathrm{~A}$ |
| SS4060LI | Barriers Line Side for Heavy Duty | 2 or 3 | $\begin{aligned} & 240 \mathrm{~V}-400 \mathrm{~A} \\ & 240 \mathrm{~V}-600 \mathrm{~A} \\ & 600 \mathrm{~V}-400 \mathrm{~A} \\ & 600 \mathrm{~V}-600 \mathrm{~A} \end{aligned}$ |
| SS4060LO [72] | Barriers Load Side for Heavy Duty | 2 or 3 | $\begin{aligned} & 240 \mathrm{~V}-400 \mathrm{~A} \\ & 240 \mathrm{~V}-600 \mathrm{~A} \\ & 600 \mathrm{~V}-400 \mathrm{~A} \\ & 600 \mathrm{~V}-600 \mathrm{~A} \end{aligned}$ |
| SS80120LI | Barriers Line Side for Heavy Duty | 2 or 3 | $\begin{gathered} 240 \mathrm{~V}-800 \mathrm{~A} \\ 240 \mathrm{~V}-1200 \mathrm{~A} \\ 600 \mathrm{~V}-800 \mathrm{~A} \\ 600 \mathrm{~V}-1200 \mathrm{~A} \\ \hline \end{gathered}$ |
| SS80120LO [72] | Barriers Load Side for Heavy Duty | 2 or 3 | $\begin{gathered} 240 \mathrm{~V}-800 \mathrm{~A} \\ 240 \mathrm{~V}-1200 \mathrm{~A} \\ 600 \mathrm{~V}-800 \mathrm{~A} \\ 600 \mathrm{~V}-1200 \mathrm{~A} \\ \hline \end{gathered}$ |

Fuse Puller Kits


Fuse Puller Kits are standard equipment on the following 30 A - 100 A switches: NEMA Type 12 and 12K, NEMA Type 4/4X/5 stainless steel, NEMA Type 4X fiberglass reinforced polyester and Krydon ${ }^{\text {M. }}$.
Fuse Puller Kit available for field installation on NEMA Type 1 and NEMA Type 3R, 30 A - 100 A switches. One Fuse Puller Kit required for a 3 pole fusible 240 V or 600 V heavy duty switch. Fuse Puller Kits can be field installed on switches manufactured since February 1980.

| Amperes | Series Number [73] | Fuse Puller Kit Cat. No. |
| :---: | :---: | :---: |
| 30 | F5-F7 | FPK03 [74] |
| 60 | F5-F7 (600 V) | FPK0610 |
| 60 | F5 (240 V) | FPK03 |
| 100 | F5-F7 | FPK0610 |

[70] Can only be applied to $F$ series.
[71] Can only be applied to $F$ series.
[72] Must buy line side also
[73] For series not shown in chart refer to the switch wiring diagram.
[74] 30 A 4 pole, H361-2 and H361-2RB Series F5, H361WA and H361WC Series F6 use FPK0610.

## Solid Neutral Assembly Kits

Table 3.33: Solid Neutral Assembly Kits[75] [76] [77] [78]

| Amperes | Series Number [79] | Standard Neutral Kit Cat. No. | Terminal Data AWG/kcmil | Optional Copper Only Neutral Kit Cat. No. | Terminal Data AWG/kcmil |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 | F5-F6 | SN03 [80] | (2) 14-3 AI/Cu plus <br> (1) 14-3 Al/Cu Svc Ground | SN03C [80] | (2) 14-6 Cu plus <br> (1) 14-6 Cu Svc Ground |
| 60 | $\begin{aligned} & \text { F5-F6, } \\ & (600 \mathrm{~V}) \end{aligned}$ | SN0610 | (2) 14-1/0 Al/Cu plus <br> (2) 14-6 Al/Cu Svc Ground | SN0610C | (2) 14-1/0 Cu plus <br> (2) 14-6 Cu Svc Ground |
|  | $\begin{aligned} & \text { F5-F6 } \\ & (240 \mathrm{~V}) \end{aligned}$ | SN03 | (2) 14-3 AI/Cu plus <br> (1) 14-3 Al/Cu Svc Ground | SN03C | (2) 14-1/0 Cu plus <br> (2) 14-6 Cu Svc Ground |
| 100 | F5-F6, | SN0610 | (2) 14-1/0 Al/Cu plus <br> (2) 14-6 Al/Cu Svc Ground | SN0610C | (2) 14-1/0 Cu plus <br> (2) 14-6 Cu Svc Ground |
| 200 [81] | F5-F6 | SN20A | (2) 6-250 Al/Cu plus <br> (1) $14-10 \mathrm{Al} / \mathrm{Cu}$ Svc Ground | SN20C | (2) 6-250 Cu plus <br> (1) 14-1/0 Cu Svc Ground |
| 400 and 600 | E4-E5 | H600SN | (4) 1-750 Al/Cu plus <br> (1) 4-300 Al/Cu Svc Ground | H600SNC | (2) 1-600 Cu and (2) 4-350 Cu plus <br> (2) 6-250 Cu Svc Ground |
| 800 | E4 | H800SNE4 | (6) 3/0-750 AI/Cu plus <br> (2) 6-350 Al/Cu Svc Ground | - | - |
| 1200 | E4 | H1200SNE4 | (8) 3/0-750 AI/Cu plus <br> (2) 6-350 Al/Cu Svc Ground | - | - |

## Equipment Grounding Kits

Equipment grounding kits are available for field installation.
Table 3.34: Equipment Grounding Kits and Terminal Data [82] [83]

| Amperes | Series Number | Standard Cat. No. | Terminal Data AWG/kcmil | Optional Copper Only Cat. No. | Terminal Data AWG/kcmil |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 | F5-F6 | GTK03 [84] | (2) 14-4 Cu or (2) 12-4 AI or <br> (4) 14-12 Cu or (4) 12-10 Al | GTK03C [84] [85] | (2) $14-6 \mathrm{Cu}$ |
| 60 | $\begin{aligned} & \text { F5-F6 } \\ & (600 \mathrm{~V}) \end{aligned}$ | GTK0610 | (2) 14-1/0 Cu or (2) 12-1/0 Al and <br> (2) 14-6 Cu or (2) 12-6 Al | GTK0610C | (2) 14-1/0 Cu and (2) $14-6 \mathrm{Cu}$ |
| 60 | $\begin{aligned} & \text { F5-F6 } \\ & (240 \mathrm{~V}) \end{aligned}$ | GTK03 | (2) 14-4 Cu or (2) 12-4 AI or <br> (4) 14-12 Cu or (4) $12-10 \mathrm{Al}$ | GTK03C | (2) $14-6 \mathrm{Cu}$ |
| 100 | F5-F6 | GTK0610 | (2) $14-1 / 0 \mathrm{Cu}$ or (2) 12-1/0 Al and <br> (2) 14-6 Cu or (2) 12-6 Al | GTK0610C | (2) 14-1/0 Cu and (2) $14-6 \mathrm{Cu}$ |
| 200 | F5-F6 | PKOGTA2 | $\begin{aligned} & \text { (2) } 10-2 / 0 \mathrm{Cu} \text { or } \\ & \text { (2) } 6-2 / 0 \mathrm{Al} \end{aligned}$ | PKOGTC2 | (2) $14-4 \mathrm{Cu}$ |
| 400 and 600 | E4-E5 | PKOGTA2 [86] | (2) $10-2 / 0 \mathrm{Cu}$ or <br> (2) $6-2 / 0 \mathrm{Al}$ | PKOGTC3 | (4) $14-1 / 0 \mathrm{Cu}$ |
| 800 | E4 | PKOGTA7 | (4) 4-350 Al/Cu | - | - |
| 1200 | E4 | PKOGTA8 | (8) 4-350 Al/Cu | - | - |

Touch-Up Paint

| Description |  |
| :--- | :--- |
| 12 oz. Aerosol Paint Can, Square D ANSI-49 Gray Touch-Up Paint | No. |
| NOTE: Standard package quantity is 6 cans. |  |

## Lock OFF / Lock ON



Lock off provisions are standard on all Heavy Duty Switche
Lock-on is also available as a factory modification on Type 12 and 304 Stainless Steel Type 4 X enclosures. Obtain by selecting on product configurator.
For field installed kits, the lock off guard works by covering the lockout tagout openings whenever the switch is in the ON POSITION This prevents a padlock from being inadvertently inserted into the switch lockplate. Available ONLY for use on Type 1, Type 3R, Type 12, Heavy Duty Safety Switches.

Table 3.35: Lock-Off Guard Kits

| Switch Rating | Cat. No. |
| :---: | :---: |
| 30 A | LOGK1 |
| 60 A 240 V | LOGK2 |
| 60 A 600 V |  |
| 100 and 200 A |  |

Optional Lock-OFF Guard Kit Installed
[75] For series not shown in chart refer to the switch wiring diagram
[76] For solid Neutral Assembly Kits for Krydon TM enclosure see Table 3.20.
[77] For Solid Neutral Assembly Kits for Fiberglass Reinforced Ployester enclosures see Table 3.19.
[78] Neutrals cannot be installed in 4 or 6 pole switches or receptable switches.
[79] See page 3-22 and page 3-23 for safety switch series.
[80] The following 30 A Series F5-F6 switches use SN0610 or SN0610C: H3612, H3612RB, H3612A, H3612AWK, HU3612, HU3612RB, HU3612A and HU3612AWK.
[81] For 200\% neutral, order (2) SN20A Neutral Kits and (1) SN20NI Neutral Jumper Kit.
[82] For series not shown in table refer to the switch wiring diagram.
[83] Equipment Ground Kits (AI/Cu) are factory installed standard in 30-200 A Series F NEMA Type 4/4X/5 (stainless steel), 12 and 12 K . Equipment Ground Kits are standard factory installed on all receptacle switches and all Series F 30-200 A, 4 and 6 pole switches.
[84] H2212AWK accepts GTK03 or GTK03C. H3612A or AWK accepts GTK03C. H3612 and H3612RB accepts GTK0610 HU3612AWK accepts GTK03C. HU3612A accepts GTK0610C. HU3612RB accepts GTK0610 or GTK0610C.
[85] Optional copper equipment grounding kit for the 4 and 6 pole 30 A F Series: H461DS, H461AWK, HU461DS, HU661DS and HU661AWK accepts GTK03C HU461AWK accepts GTK0610C.
[86] Two required if equipment grounding conductors are run in parallel.

## Key Interlock Systems



Key Interlock Systems
Factory installed only on heavy duty safety switches and double throw safety switches, from 30 amp to 1200 amp , Type 12 and 304 stainless steel Type 4X.
The key merlock system is a simple and easy method of applying individual key interlock units and assemblies to the above equipment so as to require operation in a predetermined
sequence. UL Listed
Quoting: Contact Schneider Electric for catalog number, availability, and pricing prior to
quoting a job. Detailed information is required before an order can be processed. Please see
Use these suffixest Section 2 for further information

- KI = 1 lock per switch
- $\mathrm{KI} 2=1$ lock with 2 cylinders ( 2 keys) per switch
- KIKI $=2$ separate locks per switch


## Cover Viewing Window

Optional cover viewing window is positioned over the blades to allow visual verification of "ON-OFF" status. Available on 30 through 1200 A heavy duty switches, NEMA Type $1,3 R, 4 / 4 \mathrm{X} / 5$ Stainless Steel, 12 and 12K. (Not avaliable on NEMA Type 4X, Fiberglass, Krydon or NEMA Type 7 and 9 switches). Add VW suffix to the catalog number for factory installation.

## Voltage Monitors

 Voltage monitors can be combined with other safety features such as Key Interlock, Viewing Windows or Lock-ON provisions- UL Listed
- Factory installed only
- Order the voltage monitors by adding the appropriate suffix shown in the table below to the switch catalog number
- Not available on NEMA Type 7 and 9 and NEMA Type 4X Fiberglass and Krydon ${ }^{\text {TM }}$ switches

Table 3.36: Voltage Monitors [87] [88] [89]

| Description |  |
| :---: | :---: |
| Line Side Monitor |  |
| Load Side Monitor |  |
| Line and Load Side Monitors |  |

Copper Lug Kits
Lug kits that accept only copper wire are available for field or factory installation:

- UL Listed
- UL Marine Listed
- UL Marine listing is applicable ONLY to 30-200 A, NEMA Type 12/3R, NEMA Type 12K and NEMA Type 4/4X/5 stainless steel, safety switches

- When copper only lugs kits are factory installed the switch will bear the UL Marine mark and be suitable for use on vessels over 65 feet long
_ When the copper only lugs kits are field installed the switch will not bear the UL Marine mark and would not be suitable for use on vessels over 65 feet long
- Not available for use on NEMA Type 4X Fiberglass, Krydon or NEMA Type 7 and 9 switches
- For field installation, order copper lug kits. See Table below
- For factory installation of copper lugs, add the suffix SLC to the standard catalog number

Table 3.37: Copper Lug Kits ${ }^{[91]}$

| Amperes | Lug Kit Cat. No. | Lug Wire Range AWG/kcmil |
| :---: | :---: | :---: |
| $30-60$ | CL0306F | $(1) 14-8 \mathrm{Cu}$ solid or |
| $14-4 \mathrm{Cu}$ stranded |  |  |

[89] Available on 30-200 A Double Throw Safety Switches. Two and three-pole, 200 A Type 3R switches are not available with these voltage monitors.
[90] In addition to the suffix shown in the table above, a 3 must be added to the switch catalog number for all 30 and 60 A switches, i.e. H361AWK becomes H3613AWKLI. 30 and 60 A switches require 100 A enclosure accessories. Double Throw Safety Switches are exempt from this requirement.
[91] One kit includes all phase line/load lugs for a 3-pole switch. CL0306F, CL10F and CL20F includes six lugs. CL40F and CL60F includes twelve lugs.

## Double Lug Kits

200 A heavy duty F-series switches are supplied standard with lugs suitable for one wire per phase. For two wires per phase and neutral, order the Double Lug Kit. Not UL Listed. Not listed on switch's wiring diagram as an accessory.

Table 3.38: Double Lug Kits

| Amperes | Cat. No. [92] | Lug Wire Range <br> per Phase and Neutral <br> AWG/kcmil | Wire Range Wire <br> Bending Space per <br> NEC Table 312.6 AWG/kcmil |
| :---: | :---: | :---: | :---: |
| 200 | AL20DTF | $(2) 6-300 \mathrm{Cu} / \mathrm{Al}$ | $(2) 6-250 \mathrm{Cu} / \mathrm{Al}$ |

## Compression Lug Kits - 800 A and 1200 A Safety Switches

- UL Listed.
- Compression Lug Kits available for field installation
- Compression Lug Kits available for factory installation; Add suffix LK to standard catalog number
- Compression Lug Kits contain VCEL07512H1 Versa-CrimpTM compression lugs
- Order one Compression Lug Kit per switching pole and/or neutral (see Table below)

Table 3.39: Compression Lug Kits

| Amperes | Lug Kit <br> Cat. No. | Conductors per Phase | Lug Wire Range kcmil |
| :---: | :---: | :---: | :---: |
| 800 | H8LKE2 | (3) Line and (3) Load | $\begin{gathered} 500-750 \text { kcmil (AI) } \\ \text { or } \\ 500 \text { kcmil (CU) } \\ \hline \end{gathered}$ |
| 1200 | H12LKE2 | (4) Line and (4) Load | $\begin{gathered} 500-750 \mathrm{kcmil}(\mathrm{AI}) \\ \text { or } \\ 500 \mathrm{kcmil}(\mathrm{CU}) \\ \hline \end{gathered}$ |

Table 3.40: Terminal Lug Data [93]

| Rating (A) | Wires Per Phase and Neutral | Wire Range Wire Bending Space per NEC Table 312.6 AWG/kcmil | Lug Wire Range AWG/kcmil | Optional [94] Compression Lug Field-Installed | Optional Copper Only [94] Compression Lug FieldInstalled [95] |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 30 | 1 | $\begin{gathered} 12-6 \text { (AI) } \\ \text { or } \\ 14-6(\mathrm{Cu}) \\ \hline \end{gathered}$ | $\begin{gathered} 12-2(\mathrm{Al}) \\ \text { or } \\ 14-2(\mathrm{Cu}) \end{gathered}$ | $\begin{gathered} \text { C10-14, [96] D8-14-SK, } \\ \text { or } \\ \text { E6-14 } \end{gathered}$ | - |
|  | 2 | $\begin{gathered} \hline 12-10(\mathrm{Al}) \\ \text { or } \\ 14-10(\mathrm{Cu}) \\ \hline \end{gathered}$ |  |  |  |
| 60 [97] | 1 | $\begin{gathered} 12-3 \text { (AI) } \\ \text { or } \\ 14-3(\mathrm{Cu}) \end{gathered}$ | $\begin{gathered} 12-2(\mathrm{Al}) \\ \text { or } \\ 14-2(\mathrm{Cu}) \end{gathered}$ | $\begin{gathered} \text { C10-14, [96] D8-14-SK, } \\ \text { or } \\ \text { E6-14 } \end{gathered}$ | - |
| 100 [98] | 1 | $\begin{aligned} & 12-1 / 0(\mathrm{Al}) \\ & \text { or } \\ & 14-1 / 0(\mathrm{Cu}) \end{aligned}$ | $\begin{aligned} & 12-1 / 0(\mathrm{Al}) \\ & \text { or } \\ & 14-1 / 0(\mathrm{Cu}) \end{aligned}$ | VCEL02114S1 | VCELC02114S1 |
| 200 [99] | 1 | 6-250 (Al/Cu) | 6-300 (Al/Cu) | VCEL030516H1 | VCELC030516H1 |
| 400 [100] | $\begin{gathered} 1 \\ \text { or } \\ 2 \end{gathered}$ | $\begin{aligned} & 1 / 0-750(\mathrm{Al} / \mathrm{Cu}) \\ & \text { or } \\ & 1 / 0-300(\mathrm{Al} / \mathrm{Cu}) \end{aligned}$ | $\begin{aligned} & 1 / 0-750(\mathrm{Al} / \mathrm{Cu}) \\ & \text { or } \\ & 1 / 0-300(\mathrm{Al} / \mathrm{Cu}) \end{aligned}$ | VCELO7512H1 or VCELC030516H1 [101] and VCEL05012H1 | VCELC07512H1 or VCELC030516H1 [102] and VCELC05012H1 |
| 600 | 2 | 3/0-500 (Al/Cu) | 3/0-500 (Al/Cu) | VCEL05012H1 | VCELC05012H1 |
| 800 | 3 | 3/0-750 (Al/Cu) | 3/0-750 (Al/Cu) | H8LKE2 [103] | - |
| 1200 | 4 | 3/0-750 (Al/Cu) | 3/0-750 (Al/Cu) | H12LKE2 [103] | - |

Table 3.41: Conduit Provisions

| Amperes | Top and Bottom Endwall |  |
| :---: | :---: | :---: |
|  | NEMA Type 4X Fiberglass Reinforced Polyester and Krydon [104] | NEMA Type 7 and 9 [105] |
| 30 | $3 / 4 \mathrm{in}$. | - |
| 60 | 1-1/4 in. | $3 / 4 \mathrm{in}$. |
| 100 | 2 in. | 1-1/4 in. |
| 200 | 2-1/2 in. | 2-1/2 in. |

192] Kit contains 3 lugs. Order two kits for line and load lugs
[93] 30-100 A switches suitable for $60^{\circ} \mathrm{C}$ or $75^{\circ} \mathrm{C}$ conductors. 200-1200 A switches suitable for $75^{\circ} \mathrm{C}$ conductors.
[94] Hubbell Versa-Crimp ${ }^{\text {TM }}$ unless otherwise noted.
[95] For NEMA Type 1, 12/3R, 12K and 4/4X/5 stainless steel switches only.
[96] Order from Thomas and Betts.
[97] H60XFA and H60XFA1212 - use $75^{\circ} \mathrm{C}$ copper wire only. \#6 AWG copper wire required for 60 A rating.
[98] H100XFA and H100XFA1212 - use $75^{\circ} \mathrm{C}$ copper wire only. \#3 AWG copper wire required for 100 A rating
[99] H225XJG and H225XJGAA - use $75^{\circ} \mathrm{C}$ copper wire only. Lug wire range is \#3 AWG - 350 kcmil . Not UL Listed due to inadequate wire bending space ( 5 " on ON end, $6^{\prime \prime}$ on OFF end).
[100] Maximum wire bending space allows for (1) 600 kcmil or (2) 300 kcmil AI/Cu on NEMA Type 4/4X/5 stainless steel and NEMA Type 12 switches.
[101] Order two PK516KN mounting kits when installing VCEL030516H1 lugs. Only one kit is required on 2 pole switches. PK516KN consists of (4) $5 / 16-18$ Keps Nuts.
[102] Order two PK516KN mounting kits when installing VCEL030516H1 or VCELC030516H1 lugs. Only one kit is required on 2 pole switches. PK516KN consists of (4) 5/16-18 Keps Nuts.
[103] For 800 and 1200 A compression lug kits see Table 3.39 for additional information.
[104] Hubs and hub drilling templates are provided for field-installation.
[105] Threaded conduit opening.

NEMA Type 1 and 3R
See Table 3.40 Terminal Lug Data, page 3-21 for terminal lug data for the series switches listed in the dimension table below.

Table 3.42: Approximate Dimensions

|  | Series | H |  | W |  | D |  | W/H |  | Cat. No. | Series | H |  | W |  | D |  | W/H |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cat. No. | Series | in. | mm | in. | mm | in. | mm | in. | mm |  |  | in. | mm | in. | mm | in. | mm | in. | mm |
| H221N | F5 | 14.60 | 371 | 6.50 | 165 | 4.88 | 124 | 7.55 | 192 | H363 | F5 | 21.25 | 540 | 8.50 | 216 | 6.38 | 162 | 10.50 | 267 |
| H221NRB | F5 | 14.88 | 378 | 6.63 | 168 | 4.88 | 124 | 7.55 | 192 | H363N | F5 | 21.25 | 540 | 8.50 | 216 | 6.38 | 162 | 10.50 | 267 |
| H222N | F5 | 14.60 | 371 | 6.50 | 165 | 4.88 | 124 | 7.55 | 192 | H363NRB | F5 | 21.25 | 540 | 8.50 | 216 | 6.38 | 162 | 10.50 | 267 |
| H222NRB | F5 | 14.88 | 378 | 6.63 | 168 | 4.88 | 124 | 7.55 | 192 | H363RB | F5 | 21.25 | 540 | 8.50 | 216 | 6.38 | 162 | 10.50 | 267 |
| H223N | F5 | 21.25 | 540 | 8.50 | 216 | 6.38 | 162 | 10.50 | 267 | H363WA | F6 | 21.85 | 462 | 9.00 | 229 | 6.81 | 173 | 10.50 | 267 |
| H223NRB | F5 | 21.25 | 540 | 8.50 | 216 | 6.38 | 162 | 10.50 | 267 | H363WC | F6 | 21.85 | 555 | 9.00 | 229 | 6.81 | 173 | 10.50 | 267 |
| H224N | F5 | 29.00 | 737 | 17.13 | 435 | 8.25 | 210 | 18.50 | 470 | H364 | F5 | 29.00 | 737 | 17.13 | 435 | 8.25 | 210 | 18.50 | 470 |
| H224NRB | F5 | 29.25 | 743 | 17.25 | 438 | 8.50 | 216 | 18.63 | 473 | H364N | F5 | 29.00 | 737 | 17.13 | 435 | 8.25 | 210 | 18.50 | 470 |
| H225 | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 | H364RB | F5 | 29.25 | 743 | 17.25 | 438 | 8.50 | 216 | 18.63 | 473 |
| H 225 N | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 | H364NRB | F5 | 29.25 | 743 | 17.25 | 438 | 8.50 | 216 | 18.63 | 473 |
| H225NR | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 | H365 | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 |
| H225R | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 | H365N | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 |
| H226 | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 | H365R | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 |
| H226N | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 | H365NR | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 |
| H226NR | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 | H366 | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 |
| H226R | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 | H366N | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 |
| H227, N | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | H366NR | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 |
| H227N | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | H366R | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 |
| H227NR | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | H367 | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H227R | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | H367N | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H228 | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | H367NR | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H 228 N | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | H367R | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H228NR | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | H368 | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H228R | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | H368N | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H265 | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 | H368NR | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H265R | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 | H368R | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H266 | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 | H461 | F5 | 20.50 | 521 | 14.75 | 375 | 6.85 | 174 | 16.13 | 410 |
| H266R | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 | H462 | F5 | 20.50 | 521 | 14.75 | 375 | 6.85 | 174 | 16.13 | 410 |
| H267 | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | H463 | F5 | 20.50 | 521 | 14.75 | 375 | 6.85 | 174 | 16.13 | 410 |
| H267R | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | H464 | F5 | 29.00 | 737 | 23.25 | 591 | 8.75 | 222 | 24.88 | 632 |
| H268 | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | H465 | E4 | 50.25 | 1276 | 33.88 | 861 | 10.13 | 257 | 33.88 | 861 |
| H268R | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | H466 | E4 | 50.25 | 1276 | 33.88 | 861 | 10.13 | 257 | 33.88 | 861 |
| H321N | F5 | 14.60 | 371 | 6.50 | 165 | 4.88 | 124 | 7.55 | 192 | HU265 | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 |
| H321NRB | F5 | 14.88 | 378 | 6.63 | 168 | 4.88 | 124 | 7.55 | 192 | HU265R | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 |
| H322N | F5 | 14.60 | 371 | 6.50 | 165 | 4.88 | 124 | 7.55 | 192 | HU266 | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 |
| H322NRB | F5 | 14.88 | 378 | 6.63 | 168 | 4.88 | 124 | 7.55 | 192 | HU266R | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 |
| H323N | F5 | 21.25 | 540 | 8.50 | 216 | 6.38 | 162 | 10.50 | 267 | HU267 | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H323NRB | F5 | 21.25 | 540 | 8.50 | 216 | 6.38 | 162 | 10.50 | 267 | HU267R | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H324N | F5 | 29.00 | 737 | 17.13 | 435 | 8.25 | 210 | 18.50 | 470 | HU268 | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H324NRB | F5 | 29.25 | 743 | 17.25 | 438 | 8.50 | 216 | 18.63 | 473 | HU268R | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H325 | E4 | 50.25 | 1276 | 27.88 | 708 | 10.13 | 257 | 27.88 | 708 | HU361 | F5 | 14.60 | 371 | 6.50 | 165 | 4.88 | 124 | 7.55 | 192 |
| H325N | E4 | 50.25 | 1276 | 27.88 | 708 | 10.13 | 257 | 27.88 | 708 | HU361RB | F5 | 14.88 | 378 | 6.63 | 168 | 4.88 | 124 | 7.55 | 192 |
| H325R | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 | HU361WA | F6 | 18.19 | 462 | 9.00 | 229 | 6.81 | 173 | 10.50 | 267 |
| H325NR | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 | HU361WC | F6 | 18.19 | 462 | 9.00 | 229 | 6.81 | 173 | 10.50 | 267 |
| H326 | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 | HU362 | F5 | 17.50 | 445 | 9.00 | 229 | 6.38 | 162 | 10.50 | 267 |
| H326N | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 | HU362RB | F5 | 17.50 | 445 | 9.00 | 229 | 6.38 | 162 | 10.50 | 267 |
| H326R | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 | HU362WA | F6 | 18.19 | 462 | 9.00 | 229 | 6.81 | 173 | 10.50 | 267 |
| H326NR | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 | HU362WC | F6 | 16.75 | 425 | 9.00 | 229 | 7.00 | 178 | 10.50 | 267 |
| H327 | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | HU362WH | F5 | 18.19 | 462 | 9.00 | 229 | 6.81 | 173 | 10.50 | 267 |
| H327N | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | HU363 | F5 | 21.25 | 540 | 8.50 | 216 | 6.38 | 162 | 10.50 | 267 |
| H327R | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | HU363RB | F5 | 21.25 | 540 | 8.50 | 216 | 6.38 | 162 | 10.50 | 267 |
| H327NR | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | HU363WA | F6 | 21.85 | 462 | 9.00 | 229 | 6.81 | 173 | 10.50 | 267 |
| H328 | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | HU363WC | F6 | 21.85 | 555 | 9.00 | 229 | 6.81 | 173 | 10.50 | 267 |
| H328N | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | HU364 | F5 | 29.00 | 737 | 17.13 | 435 | 8.25 | 210 | 18.50 | 470 |
| H328R | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | HU364RB | F5 | 29.25 | 743 | 17.25 | 438 | 8.50 | 216 | 18.63 | 473 |
| H328NR | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | HU365 | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 |
| H361 | F5 | 14.60 | 371 | 6.50 | 165 | 4.88 | 124 | 7.55 | 192 | HU365R | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 |
| H361N | F5 | 14.60 | 371 | 6.50 | 165 | 4.88 | 124 | 7.55 | 192 | HU366 | E4 | 50.25 | 1276 | 27.63 | 702 | 10.13 | 257 | 27.63 | 702 |
| H361-2 | F5 | 17.50 | 445 | 9.00 | 229 | 6.38 | 162 | 10.50 | 267 | HU366R | E5 | 50.31 | 1278 | 27.76 | 705 | 9.53 | 242 | 27.88 | 708 |
| H361NRB | F5 | 14.88 | 378 | 6.63 | 168 | 4.88 | 124 | 7.55 | 192 | HU367 | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H361RB | F5 | 14.88 | 378 | 6.63 | 168 | 4.88 | 124 | 7.55 | 192 | HU367R | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H361WA | F6 | 18.19 | 462 | 9.00 | 229 | 6.81 | 173 | 10.50 | 267 | HU368 | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H361WC | F6 | 18.19 | 462 | 9.00 | 229 | 6.81 | 173 | 10.50 | 267 | HU368R | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H362 | F5 | 17.50 | 445 | 9.00 | 229 | 6.38 | 162 | 10.50 | 267 | HU461 | F5 | 20.50 | 521 | 14.75 | 375 | 6.85 | 174 | 16.13 | 410 |
| H362N | F5 | 17.50 | 445 | 9.00 | 229 | 6.38 | 162 | 10.50 | 267 | HU462 | F5 | 20.50 | 521 | 14.75 | 375 | 6.85 | 174 | 16.13 | 410 |
| H362RB | F5 | 17.50 | 445 | 9.00 | 229 | 6.38 | 162 | 10.50 | 267 | HU463 | F5 | 20.50 | 521 | 14.75 | 375 | 6.85 | 174 | 16.13 | 410 |
| H362WA | F6 | 18.19 | 462 | 9.00 | 229 | 6.81 | 173 | 10.50 | 267 | HU464 | F5 | 29.00 | 737 | 23.25 | 591 | 8.75 | 222 | 24.88 | 632 |
| H362WC | F6 | 16.75 | 425 | 9.00 | 229 | 7.00 | 178 | 10.50 | 267 | HU465 | E4 | 50.25 | 1276 | 33.88 | 861 | 10.13 | 257 | 33.88 | 861 |
| H362WH | F5 | 18.19 | 462 | 9.00 | 229 | 6.81 | 173 | 10.50 | 267 | HU466 | E4 | 50.25 | 1276 | 33.88 | 861 | 10.13 | 257 | 33.88 | 861 |

NEMA Type 4, 4X, 5, 7, 9, and 12
See Table 3.40 Terminal Lug Data, page 3-21 for terminal lug data for the series switches listed in the dimension table below.

Table 3.43: Approximate Dimensions

| Cat. No. | Series | H |  | W |  | D |  | W/H |  | Cat. No. | Series | H |  | W |  | D |  | W/H |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | in. | mm | in. | mm | in. | mm | in. | mm |  |  | in. | mm | in. | mm | in. | mm | in. | mm |
| H60XFA | E1 | 15.93 | 405 | 9.87 | 251 | 6.96 | 177 | 9.87 | 251 | H363SS | F6 | 20.82 | 529 | 9.36 | 238 | 6.97 | 177 | 11.25 | 286 |
| H100XFA | E1 | 15.93 | 405 | 9.87 | 251 | 6.96 | 177 | 9.87 | 251 | H364A | F6 | 29.00 | 737 | 17.25 | 438 | 8.75 | 216 | 18.63 | 473 |
| H221A | F6 | 14.60 | 371 | 6.63 | 168 | 4.96 | 125 | 7.55 | 192 | H36AWK | F6 | 29.00 | 737 | 17.25 | 438 | 8.75 | 216 | 18.63 | 473 |
| H221AWK | F6 | 14.60 | 371 | 6.63 | 168 | 4.96 | 125 | 7.55 | 192 | H364DS | F6 | 29.00 | 737 | 17.75 | 451 | 8.88 | 226 | 19.25 | 489 |
| H221DS | F6 | 14.93 | 379 | 7.22 | 183 | 5.11 | 130 | 8.67 | 220 | H364NDS | F6 | 29.00 | 737 | 17.75 | 451 | 8.88 | 226 | 19.25 | 489 |
| H221-2AWK | F6 | 16.50 | 419 | 9.00 | 229 | 7.00 | 178 | 10.50 | 267 | H364NA | F6 | 29.00 | 737 | 17.25 | 438 | 8.75 | 216 | 18.63 | 473 |
| H222A | F6 | 14.60 | 371 | 6.63 | 168 | 4.96 | 125 | 7.55 | 192 | H364NAWK | F6 | 29.00 | 737 | 17.25 | 438 | 8.75 | 216 | 18.63 | 473 |
| H222AWK | F6 | 14.60 | 371 | 6.63 | 168 | 4.96 | 125 | 7.55 | 192 | H364DF | E1 | 31.30 | 795 | 26.30 | 668 | 11.80 | 300 | 26.30 | 668 |
| H222DS | F6 | 14.93 | 379 | 7.22 | 183 | 5.11 | 130 | 8.67 | 220 | H364SS | F6 | 29.00 | 737 | 17.75 | 451 | 8.88 | 226 | 19.25 | 489 |
| H223A | F6 | 20.50 | 521 | 9.00 | 229 | 7.00 | 178 | 10.50 | 267 | H365AWK | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 |
| H223AWK | F6 | 20.50 | 521 | 9.00 | 229 | 7.00 | 178 | 10.50 | 267 | H365DS | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 |
| H223DS | F6 | 20.82 | 529 | 9.36 | 238 | 6.97 | 177 | 11.25 | 286 | H365NAWK | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 |
| H224A | F6 | 29.00 | 737 | 17.25 | 438 | 8.75 | 216 | 18.63 | 473 | H365NDS | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 |
| H224AWK | F6 | 29.00 | 737 | 17.25 | 438 | 8.75 | 216 | 18.63 | 473 | H366AWK | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 |
| H224DS | F6 | 29.00 | 737 | 17.75 | 451 | 8.88 | 226 | 19.25 | 489 | H366DS | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 |
| H225AWK | E4 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 | H366NAWK | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 |
| H225NAWK | E4 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 | H366NDS | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 |
| H225NDS | E4 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 | H366SS | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 |
| H225XJG | A1 | 22.56 | 573 | 10.88 | 276 | 7.75 | 197 | 10.88 | 276 | H367AWK | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H226AWK | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 | H367NAWK | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H226DS | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 | H368AWK | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H226NDS | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 | H368NAWK | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H226NAWK | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 | H461AWK | F6 | 20.50 | 521 | 14.75 | 375 | 6.80 | 173 | 16.13 | 410 |
| H227AWK | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | H461DS | F6 | 20.82 | 529 | 15.08 | 383 | 6.97 | 177 | 16.85 | 428 |
| H227NAWK | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | H462AWK | F6 | 20.50 | 521 | 14.75 | 375 | 6.80 | 173 | 16.13 | 410 |
| H228AWK | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | H462DS | F6 | 20.82 | 529 | 15.08 | 383 | 6.97 | 177 | 16.85 | 428 |
| H228NAWK | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | H463AWK | F6 | 20.50 | 521 | 14.75 | 375 | 6.80 | 173 | 16.13 | 410 |
| H265AWK | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 | H463DS | F6 | 20.82 | 529 | 15.08 | 383 | 6.97 | 177 | 16.85 | 428 |
| H265DS | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 | H464AWK | F6 | 29.00 | 737 | 23.25 | 591 | 8.75 | 222 | 24.88 | 632 |
| H266AWK | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 | H464DS | F6 | 29.00 | 737 | 23.75 | 603 | 8.88 | 226 | 25.25 | 641 |
| H266A | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 | H465AWK | E5 | 46.25 | 1175 | 32.50 | 826 | 10.13 | 259 | 32.50 | 826 |
| H266DS | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 | H663AWK | F6 | 20.50 | 521 | 14.75 | 375 | 6.80 | 173 | 16.13 | 410 |
| H267AWK | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | H663DS | F6 | 20.82 | 529 | 15.08 | 383 | 6.97 | 177 | 16.85 | 428 |
| H267NAWK | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | H664AWK | F6 | 29.00 | 737 | 23.25 | 591 | 8.75 | 222 | 24.88 | 632 |
| H268AWK | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | H664DS | F6 | 29.00 | 737 | 23.75 | 603 | 8.88 | 226 | 25.25 | 641 |
| H268NAWK | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | HU265AWK | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 |
| H321AWK | F6 | 14.60 | 371 | 6.63 | 168 | 4.96 | 125 | 7.55 | 192 | HU265DS | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 |
| H321A | F6 | 14.60 | 371 | 6.63 | 168 | 4.96 | 125 | 7.55 | 192 | HU266AWK | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 |
| H321DS | F6 | 14.93 | 379 | 7.22 | 183 | 5.11 | 130 | 8.67 | 220 | HU266DS | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 |
| H322AWK | F6 | 14.60 | 371 | 6.63 | 168 | 4.96 | 125 | 7.55 | 192 | HU267AWK | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H322A | F6 | 14.60 | 371 | 6.63 | 168 | 4.96 | 125 | 7.55 | 192 | HU268AWK | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H322DS | F6 | 14.93 | 379 | 7.22 | 183 | 5.11 | 130 | 8.67 | 220 | HU361AWA | F7 | 16.50 | 419 | 9.00 | 229 | 7.00 | 178 | 10.50 | 267 |
| H323AWK | F6 | 20.50 | 521 | 9.00 | 229 | 7.00 | 178 | 10.50 | 267 | HU361AWC | F7 | 16.50 | 419 | 9.00 | 229 | 7.00 | 178 | 10.50 | 267 |
| H323A | F6 | 20.50 | 521 | 9.00 | 229 | 7.00 | 178 | 10.50 | 267 | HU361A | F6 | 14.60 | 371 | 6.63 | 168 | 4.96 | 125 | 7.55 | 192 |
| H323DS | F6 | 20.82 | 529 | 9.36 | 238 | 6.97 | 177 | 11.25 | 286 | HU361AWK | F6 | 14.60 | 371 | 6.63 | 168 | 4.96 | 125 | 7.55 | 192 |
| H324A | F6 | 29.00 | 737 | 17.25 | 438 | 8.75 | 216 | 18.63 | 473 | HU361DS | F6 | 14.93 | 379 | 7.22 | 183 | 5.11 | 130 | 8.67 | 220 |
| H324AWK | F6 | 29.00 | 737 | 17.25 | 438 | 8.75 | 216 | 18.63 | 473 | HU361DSWA | F7 | 16.87 | 428 | 8.92 | 227 | 5.11 | 130 | 10.81 | 275 |
| H324DS | F6 | 29.00 | 737 | 17.75 | 451 | 8.88 | 226 | 19.25 | 489 | HU361DSWC | F7 | 16.87 | 428 | 8.92 | 227 | 5.11 | 130 | 10.79 | 274 |
| H325AWK | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 | HU361DF | F1 | 16.50 | 419 | 11.00 | 279 | 8.80 | 224 | 11.00 | 279 |
| H325DS | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 | HU361DX | F1 | 19.40 | 493 | 11.40 | 290 | 8.60 | 218 | 11.40 | 290 |
| H325NAWK | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 | HU361SS | F6 | 14.93 | 379 | 7.22 | 183 | 5.11 | 130 | 8.67 | 220 |
| H325NDS | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 | HU362DSWA | F7 | 16.87 | 428 | 8.92 | 227 | 5.11 | 130 | 10.81 | 275 |
| H326AWK | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 | HU362DSWC | F7 | 16.87 | 428 | 8.92 | 227 | 5.11 | 130 | 10.79 | 274 |
| H326DS | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 | HU362DF | F1 | 16.50 | 419 | 11.00 | 279 | 8.80 | 224 | 11.00 | 279 |
| H326NAWK | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 | HU362DX | F1 | 19.40 | 493 | 11.40 | 290 | 8.60 | 218 | 11.40 | 290 |
| H326DS | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 | HU362SS | F6 | 16.87 | 428 | 8.92 | 227 | 6.97 | 177 | 10.81 | 275 |
| H326NAWK | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 | HU363AWA | F7 | 20.50 | 521 | 9.00 | 229 | 7.00 | 178 | 10.50 | 267 |
| H326NDS | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 | HU363AWC | F7 | 20.50 | 521 | 9.00 | 229 | 7.00 | 178 | 10.50 | 267 |
| H327AWK | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | HU363A | F6 | 20.50 | 521 | 9.00 | 229 | 7.00 | 178 | 10.50 | 267 |
| H327NAWK | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | HU363AWK | F6 | 20.50 | 521 | 9.00 | 229 | 7.00 | 178 | 10.50 | 267 |
| H328AWK | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | HU363DS | F6 | 20.82 | 529 | 9.36 | 238 | 6.97 | 177 | 11.25 | 286 |
| H328NAWK | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 | HU363DSWA | F7 | 20.82 | 529 | 9.36 | 238 | 6.97 | 177 | 11.25 | 286 |
| H361AWA | F7 | 16.5 | 419 | 10.50 | 267 | 7.0 | 178 | 10.50 | 267 | HU363DSWC | F7 | 20.82 | 529 | 9.36 | 238 | 6.97 | 177 | 11.25 | 286 |
| H361AWC | F7 | 16.5 | 419 | 10.50 | 267 | 7.0 | 178 | 10.50 | 267 | HU363DF | F1 | 24.80 | 630 | 13.70 | 348 | 12.00 | 305 | 13.70 | 348 |
| H361AWK | F7 | 14.60 | 371 | 7.55 | 192 | 4.96 | 125 | 7.55 | 192 | HU363DX | F1 | 25.25 | 641 | 11.40 | 290 | 8.60 | 218 | 11.40 | 290 |
| H361A | F7 | 14.60 | 371 | 7.55 | 192 | 4.96 | 125 | 7.55 | 192 | HU363SS | F6 | 20.82 | 529 | 9.36 | 238 | 6.97 | 177 | 11.25 | 286 |
| H361DS | F6 | 14.93 | 379 | 8.67 | 220 | 5.11 | 130 | 8.67 | 220 | HU364A | F6 | 29.00 | 737 | 17.25 | 438 | 8.75 | 216 | 18.63 | 473 |
| H361DSWA | F7 | 16.87 | 428 | 8.92 | 227 | 5.11 | 130 | 10.81 | 275 | HU364AWK | F6 | 29.00 | 737 | 17.25 | 438 | 8.75 | 216 | 18.63 | 473 |
| H361DSWC | F7 | 16.87 | 428 | 8.92 | 227 | 5.11 | 130 | 10.79 | 274 | HU364DF | E1 | 31.30 | 795 | 26.30 | 668 | 11.80 | 300 | 26.30 | 668 |
| H361DF | F1 | 16.50 | 419 | 11.00 | 279 | 8.80 | 224 | 11.00 | 279 | HU364DS | F6 | 29.00 | 737 | 17.75 | 451 | 8.88 | 226 | 19.25 | 489 |
| H361DX | F1 | 19.40 | 493 | 11.40 | 290 | 8.60 | 218 | 11.40 | 290 | HU364SS | F6 | 29.00 | 737 | 17.75 | 451 | 8.88 | 226 | 19.25 | 489 |
| H361SS | F6 | 14.93 | 379 | 7.22 | 183 | 5.11 | 130 | 8.67 | 220 | HU365AWK | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 |
| H361-2A | F6 | 16.50 | 419 | 9.00 | 229 | 7.00 | 178 | 10.50 | 267 | HU365DS | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 |
| H361-2AWK | F6 | 16.50 | 419 | 9.00 | 229 | 7.00 | 178 | 10.50 | 267 | HU365SS | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 |
| H362AWA | F7 | 16.50 | 419 | 9.00 | 229 | 7.00 | 178 | 10.50 | 267 | HU366AWK | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 |
| H362AWC | F7 | 16.50 | 419 | 9.00 | 229 | 7.00 | 178 | 10.50 | 267 | HU366DS | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 |
| H362AWH | F6 | 16.50 | 419 | 9.00 | 229 | 7.00 | 178 | 10.50 | 267 | HU366SS | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 |
| H362A | F6 | 16.50 | 419 | 9.00 | 229 | 7.00 | 178 | 10.50 | 267 | HU367AWK | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H362AWK | F6 | 16.50 | 419 | 9.00 | 229 | 7.00 | 178 | 10.50 | 267 | HU368AWK | E4 | 69.13 | 1756 | 36.62 | 930 | 17.75 | 451 | 36.62 | 930 |
| H362DS | F6 | 16.87 | 428 | 8.92 | 227 | 6.97 | 177 | 10.81 | 275 | HU461AWK | F6 | 20.50 | 521 | 14.75 | 375 | 6.80 | 173 | 16.13 | 411 |
| H362DSWA | F7 | 16.87 | 428 | 8.92 | 227 | 5.11 | 130 | 10.81 | 275 | HU461DS | F6 | 20.82 | 529 | 15.08 | 383 | 6.97 | 177 | 16.85 | 428 |
| H362DSWC | F7 | 16.87 | 428 | 8.92 | 227 | 5.11 | 130 | 10.79 | 274 | HU462AWK | F6 | 21.25 | 540 | 16.13 | 410 | 6.80 | 173 | 16.13 | 410 |
| H362DF | F1 | 16.50 | 419 | 11.00 | 279 | 8.80 | 224 | 11.00 | 279 | HU462DS | F6 | 20.82 | 529 | 15.08 | 383 | 6.97 | 177 | 16.85 | 428 |
| H362DX | F1 | 19.40 | 493 | 11.40 | 290 | 8.60 | 218 | 11.40 | 290 | HU463AWK | F6 | 20.50 | 521 | 14.75 | 375 | 6.80 | 173 | 16.13 | 410 |
| H362SS | F6 | 16.87 | 428 | 8.92 | 227 | 6.97 | 177 | 10.81 | 275 | HU463DS | F6 | 20.82 | 529 | 15.08 | 383 | 6.97 | 177 | 16.85 | 428 |
| H363AWA | F7 | 20.50 | 521 | 9.00 | 229 | 7.00 | 178 | 10.50 | 267 | HU464AWK | F6 | 29.00 | 737 | 23.25 | 591 | 8.75 | 222 | 24.88 | 632 |

Class 3110 / Refer to Catalog 3100CT1602
Table 3.43 Approximate Dimensions (cont'd.)

| Cat. No. | Series | H |  | W |  | D |  | W/H |  | Cat. No. | $\begin{aligned} & \text { Ser- } \\ & \text { ies } \end{aligned}$ | H |  | W |  | D |  | W/H |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | in. | mm | in. | mm | in. | mm | in. | mm |  |  | in. | mm | in. | mm | in. | mm | in. | mm |
| H363AWC | F7 | 20.50 | 521 | 9.00 | 229 | 7.00 | 178 | 10.50 | 267 | HU464DS | F6 | 29.00 | 737 | 23.75 | 603 | 8.88 | 226 | 25.25 | 641 |
| H363A | F6 | 20.50 | 521 | 9.00 | 229 | 7.00 | 178 | 10.50 | 267 | HU465AWK | E5 | 46.25 | 1175 | 32.50 | 826 | 10.13 | 259 | 32.50 | 826 |
| H363AWK | F6 | 20.50 | 521 | 9.00 | 229 | 7.00 | 178 | 10.50 | 267 | HU661AWK | F6 | 20.50 | 521 | 14.75 | 375 | 6.80 | 173 | 16.13 | 410 |
| H363DS | F6 | 20.82 | 529 | 9.36 | 238 | 6.97 | 177 | 11.25 | 286 | HU661DS | F6 | 20.82 | 529 | 15.08 | 383 | 6.97 | 177 | 16.85 | 428 |
| H363DSWA | F7 | 20.82 | 529 | 9.36 | 238 | 6.97 | 177 | 11.25 | 286 | HU662AWK | F6 | 20.50 | 521 | 14.75 | 375 | 6.80 | 173 | 16.13 | 410 |
| H363DSWC | F7 | 20.82 | 529 | 9.36 | 238 | 6.97 | 177 | 11.25 | 286 | HU662DS | F6 | 20.82 | 529 | 15.08 | 383 | 6.97 | 177 | 16.85 | 428 |
| H363DF | F1 | 24.80 | 630 | 13.70 | 348 | 12.00 | 305 | 13.70 | 348 | HU663AWK | F6 | 20.50 | 521 | 14.75 | 375 | 6.80 | 173 | 16.13 | 410 |
| H363DX | F1 | 25.25 | 641 | 11.40 | 290 | 8.60 | 218 | 11.40 | 290 | HU663DS | F6 | 20.82 | 529 | 15.08 | 383 | 6.97 | 177 | 16.85 | 428 |
| , H365SS | E5 | 46.25 | 1175 | 26.25 | 667 | 10.13 | 259 | 26.25 | 667 | HU664AWK | F6 | 29.00 | 737 | 23.25 | 591 | 8.75 | 222 | 24.88 | 632 |
|  |  |  |  |  |  |  |  |  |  | HU664DS | F6 | 29.00 | 737 | 23.75 | 603 | 8.88 | 226 | 25.25 | 641 |



NEMA Type 1


## 30-100 A Types DT, DTU (Series F)

- Fusible (DT) and non-fusible (DTU) switches available
- Manually-operated switch suitable for use in accordance with article 702 of the NEC, ANSI/NFPA 70
- Standards: UL 98, Type KS1, CSA, and NOM
- Modular design-switch handle, lock-plate, switch mechanism; line and load bases are field replaceable
- UL Listed short circuit current ratings up to 200 kA (using with (fusible) or protected by (non-fusible) Class R, J, or T fuses-see table for rating)
- Load make/break rated
- Horsepower rated
- Dual cover interlock
- May be padlocked ON (I) or OFF (O)
- Lock-off accepts up to three padlocks
- Side-opening door
- Quick make / quick break mechanism
- Meets NEMA requirements as heavy duty switch
- Field-installed electrical interlock kits
- Field-installed neutral assembly kits (2P and 3P switches)
- UL Listed as suitable for use as service equipment
- Supplied as standard for switching one load between two power sources, and may be field-converted to switch one power source between two loads.


## 30 (Series T4), 200-600 A Types 82,000 and 200 A DTU (Series E, A)

- Non-fusible
- Designed for manual transfer of one load between two power sources
- UL Listed switches are suitable for use in accordance with Article 702 of the National Electrical Code, ANSI / NFPA 70
- All 82,000 and DTU double throw switches are continuous duty rated for their nameplate ampere rating
- The 82,000 and DTU (Series E, A) switches are load make/break rated
- UL Listed as suitable for use as service equipment
- Horsepower rated only as footnoted

Field-Installable Accessories

- Neutral
- Electrical Interlock
- Grounding Terminals


## Double-Throw Safety Switches

Table 3.44: 240 V Double Throw Safety Switches


600 V Double Throw: page 3-27
Accessories: page 3-28
Application Data: Application Data, page 3-30
Dimensions, 30-100 A (Series F): page 3-32
Dimensions, 30, 200-600 A (Series E, T4, A): page 3-32
[1] The starting current of motors or more than standard horsepower may require the use of fuses with appropriate time delay characteristics.
[2] Std.-Using fast acting one time fuses. Max.-Using dual element time delay fuses.
[3] For switching dc, use two switching poles.
[4] If used on corner grounded delta systems, install neutral and use outer switching pole for ungrounded conductors. See data bulletin 2700 DB 0202 for additional information.
[5]
$[5]$
$[6]$
$[7]$
[7] 240 Vac only. Not Vdc rated.
[8] Neutral included with device.
[9] 240 Vac, 250 Vdc .
[10] Hp rating applies only to H82454.

Double Throw Safety Switches
Table 3.45: 600 V Double Throw Safety Switches


240 V Double Throw: page 3-26
Accessories: page 3-28
Application Data: page 3-30
Dimensions, $30-100 \mathrm{~A}$ (Series F): page 3-32
Dimensions, 30, 200-600 A (Series E, T4, A): page 3-32
[11] The starting current of motors of more than standard horsepower may require the use of fuses with appropriate time delay characteristics.
[12] Std.-Using fast acting one time fuses. Max.-Using dual element time delay fuses. (Non-fusible switches have max rating unless noted.)
[13] Use outer switching poles.
[14] If used on corner grounded delta systems, install neutral and use outer switching pole for ungrounded conductors.See data bulletin 2700DB0202 for additional information.
[15] 480 Vac 1 Phase HP = 3 Std, 7.5 Max
[16] 10 Std, 15 Max
[17] 480 Vac 1 Phase HP $=5$ Std, 20 Max
18] 25 Std, 30 Max
[19] 480 Vac 1 Phase HP $=10$ Std, 30 Max
[20] 40 Std, 50 Max
[21] Maximum HP
[22] Complete rating on switch is NEMA Type 3R, 5 or 12. For 3R applications, remove drain screw from bottom endwall.
[23] Maximum HP is 15 for corner grounded delta systems
[24] Maximum HP is 30 for corner grounded delta systems.
[25] Use $75^{\circ} \mathrm{C} \# 4 \mathrm{Cu}$ or \#2 Al conductors only on DTU362 and DTU362RB.
[26] Use $75^{\circ} \mathrm{C} \# 1 \mathrm{Cu}$ conductors only.
[27] $480 \mathrm{Vac}, 250 \mathrm{Vdc}$ maximum
[28] Not UL Listed.
[29] Standard Hp rating.
[30] 250 Vdc maximum
[31] Not suitable for use as service equipment.
[32] $480 \mathrm{Vac}, 250 \mathrm{Vdc}$ maximum

## Accessories

Table 3.46: Electrical Interlocks (For Electrical Interlock Contact Ratings, see Supplemental Digest Section 2)

| Switch | Field-Installed Electrical Interlock Kit Cat. No. [33] |
| :---: | :---: |
| 30-100 A Type DT, DTU (Series F) | EIK1, EIK2 [34][35] |
| 200 A Type 82000 and DTU (Series E) [36] | [37] |
| 400-600 A Type DTU (Series A) | DS200EK2D |

Table 3.47: Neutral Assembly

| Switch | Field-Installed Standard Neutral Kit Cat. No. | Terminal Data AWG/kcmil | Field-Installed Copper only Neutral Kit Cat. No. | Terminal Data AWG/kcmil |
| :---: | :---: | :---: | :---: | :---: |
| 30-100 A Type DT, DTU (Series F) (2- and 3pole switches only) | SN0310 | (3) 14-1/0 Al/Cu plus <br> (2) 14-6 A//Cu Svc Ground | SN0310C | (3) 14-1/0 Cu plus <br> (2) 14-6 Cu Svc Ground |
| 30 A (Series T4) (2- and 3-pole switches only) | DT30SN | (3) 14-4 Al/Cu plus <br> (2) 14-4 AI/Cu Svc Ground | - | - |
| 200 A Type 82000 (Series E) (2- and 3-pole switches only)[38] | [39] | (3) $6-300 \mathrm{Al} / \mathrm{Cu}$ plus <br> (1) $6-2 / 0 \mathrm{Al}$ or $10-2 / 0 \mathrm{Cu} \mathrm{Svc} \mathrm{Ground}$ | - | - |
| 200 A Type DTU (Series E) | Factory Installed | (3) 4-300 Al/Cu plus <br> (1) 4-300 AI/Cu Svc Ground | - | - |
| 400 A Type DTU (Series A) | DT400NKD | (1) $1 / 0-720 \mathrm{Al} / \mathrm{Cu}$ or <br> (2) 1/0-300 Al/Cu plus <br> (2) 6-250 AI/Cu Svc Ground | - | - |
| 600 A Type DTU (Series A) | DT600NKD | (6) 250-500 Al/Cu plus <br> (1) 6-250 A//Cu Svc Ground | - | - |

Table 3.48: Service Grounding Kit-Required for service equipment use

| Switch | Field-Installed Service Grounding Lug Kit Cat. No. | Terminal Data AWG/kcmil |
| :---: | :---: | :---: |
| $\begin{aligned} & \text { 30-60 A Type DT, DTU } \\ & \text { (Series F) } \end{aligned}$ | Included | (3) 14-2 Al/Cu or <br> (6) $14-10 \mathrm{Al} / \mathrm{Cu}$ |
| $\begin{aligned} & \hline 100 \text { A Type DT, DTU } \\ & \text { (Series F) } \\ & \hline \end{aligned}$ | Included | (3) $14-1 / 0 \mathrm{Al} / \mathrm{Cu}$ |
| $\begin{array}{\|l\|} \hline 30 \text { A Type } 92,000 \\ \text { (Series T4) } \\ \hline \end{array}$ | DT30SG | (4) $14-4 \mathrm{Al} / \mathrm{Cu}$ |
| 200 A Type 82000 and DTU (Series E) | DT100SG | (3) 14-1/0 Al/Cu |
| $\begin{aligned} & \text { 400-600 A Type DTU } \\ & \text { (Series A) } \end{aligned}$ | DS468GKD | $\begin{gathered} \text { (2) } 6-250 \mathrm{Al} / \mathrm{Cu} \\ {[40]} \end{gathered}$ |

Table 3.49: Class R Fuse Kits
When properly installed, this kit rejects all but Class R fuses. Kits are available for field installation. For factory installation add suffix CLR to the switch catalog number.

| Switch | Series Number | Class R Fuse Kit Cat. No. |
| :---: | :---: | :---: |
| Class R Fuse Kits-240 V (two kits per 3P switch) |  |  |
| 30 A | F5 | RFK03 |
| 60 A | F5 | RFK06 |
| 100 A | F5 | RFK10 |
| Class R Fuse Kits-600 V (two kits per 3P switch) |  |  |
| 30 A | F5 | RFK06 |
| 60 A | F5 | RFK06H |
| 100 A | F5 | RFK10 |

Viewing Windows: Accessory available on 30-100 A DT and DTU Series F switches only. Add the suffix VW to the catalog number.
Key Interlock Systems: For factory-installed key interlocks, refer to page 3-20.
Lock-ON Provisions: Standard feature on 30-100 A type DT and DTU (Series F), and type 92,000 switches.
Feature available as factory installed option for Type 82,000 (200 A only) and 200 A DTU (Series E) switches. Add the suffix SPLO to the catalog number
[33] Electrical interlock kit catalog numbers with "1" suffix indicate one normally open and normally closed contact; "2" indicates two normally open and two normally closed contacts. See Electrical Interlock Kit, page for electrical interlock ratings.
[34] 30-100 and 600 A Type DT, DTU (Series F) switches contain (2) separate switching mechanisms. Each mechanism will accept an electrical interlock. Some applications may therefore require (2) electrical interlocks.
[35] Double throw switches 92251, 92351, and 92451 are not available with factory or field installed electrical interlocks.
[36] Electrical interlock EK400DTU2 can be added to 200 A, 4-pole Type 82000 switches in the field.
[37] Type 82000 and DTU switches are available with electrical interlock factory-installed only. Not UL listed. Electrical interlocks are furnished with 2 N.O./N.C. contacts and are installed in both "ON" positions. To order, add suffix El to standard switch catalog number.
[38] Neutral assembly catalog number DT200N can be added to 4P, 200 A, Type 82000 switches in the field.
[39] For 200 A Type 82000, a neutral assembly is available factory installed on 2 P and 3 P switches. Not UL Listed. To order, add suffix N to the standard catalog number. Neutral terminal lug data $=(3) \# 4-250 \mathrm{kcmil} \mathrm{Al} / \mathrm{Cu}$ wire and (1) \#4-250 kcmil Al/Cu service ground.
[40] (3) 6-250 ground lugs are provided as standard. DS468GKD provides an additional (2) 6-250 ground lugs.

- UL Listed for indoor or rainproof applications
- Suitable for use with conduit having ANSI standard taper pipe thread
- NEMA Type 3R switches with catalog number ending in RB have a bolt-on closing cap factory installed
- Accepts $3 / 4$ in. through 2-1/2 in. bolt-on hubs
- No gaskets required
- NEMA Type 3R switches with R suffix have blank top endwalls
- Accepts 3 in. through 4 in . bolt on hubs
- Gaskets provided
- Conduit entry holes must be cut in the field

Rainproof Bolt-On Hubs

| Conduit <br> Size | $3 / 4$ | 1 | $1-1 / 4$ | $1-1 / 2$ | 2 | $2-1 / 2$ | 3 | $3-1 / 2$ | 4 |
| :---: | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Hub Cat. No | B075 | B100 | B125 | B150 | B200 | B250 | B300 | B350 | B400 |

Watertight Hubs

- UL Listed for dusttight and watertight applications
- Suitable for use with conduit having ANSI standard taper pipe thread
- Watertight hubs are field installed on NEMA Type 4/4X/5 stainless steel and NEMA Type 12/3R and 12K enclosures
- Watertight hubs are available in zinc or chrome plated finish
- Gaskets provided

Table 3.50: Watertight Hubs [41]

| Conduit Size | $\mathbf{1 / 2}$ | $\mathbf{3 / 4}$ | $\mathbf{1}$ | $\mathbf{1 - 1 / 4}$ | $\mathbf{1 - 1 / 2}$ | $\mathbf{2}$ | $\mathbf{2 - 1 / 2}$ | $\mathbf{3}$ | $\mathbf{3 - 1 / 2}$ | $\mathbf{4}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Standard-Zinc <br> Hub Cat. No | H050 | H075 | H100 | H125 | H150 | H200 | H250 | H300 | H350 | H400 |
| Chrome Plated <br> Hub Cat. No. | H050CP | H075CP | H100CP | H125CP | H150CP | H200CP | - | - | - | - |

# Application Data for Double Throw Safety Switches 



Situations Requiring Fuses
Situations Requiring Fuses
Select DT switches from 240 Volt Double-Throw Safety Switches, page 3-26 and 600 Volt Double Throw Safety Switches, page 3-27 which have provisions for accepting fuses.
30 A, 200-600 A Type 82,000 (Series E, T4, A), all DTU devices:
Use the non-fusible double throw switches from 240 Volt Double-Throw Safety Switches, page 3-26 and 600 Volt Double Throw Safety Switches, page 3-27 in conjunction with standard fusible devices, and install them according to diagram 1 or 2, below.

Table 3.51: UL Listed Short Circuit Current Ratings

| Switch Type | Amperes | Voltage Rating | UL Listed Fuse Class | Short Circuit Current Rating [42] (A) |
| :---: | :---: | :---: | :---: | :---: |
| Type 92000 | 30 A | 240 V | H, K | $\begin{gathered} 10,000 \\ {[43]} \end{gathered}$ |
| $\begin{array}{\|l} \hline \text { Type DT } \\ \text { (Series F) } \end{array}$ | 30-100 A | $\begin{gathered} 240 \mathrm{~V} \text { or } \\ 600 \mathrm{~V} \end{gathered}$ | H, K | 10,000 |
|  |  |  | R, J | 200,000 |
| $\begin{aligned} & \text { Type DTU [44] } \\ & \text { (Series F) } \end{aligned}$ | 30-100 A | $\begin{gathered} 240 \mathrm{~V} \text { or } \\ 600 \mathrm{~V} \end{gathered}$ | H or K | $\begin{aligned} & 10,000 \\ & {[43]} \\ & \hline \end{aligned}$ |
|  |  |  | R, J or T | 200,000 |
| DTU224NRB <br> and <br> DTU324NRB <br> (Series E) <br> DTU3 | 200 A | 240 V | H, K | 10,000 [43] |
| DTU324N (Series E) | 200 A | 240 V | H, K | 10,000 [43] |
|  |  |  | R, J | 100,000 |
| Type 82,000 | All | $\begin{gathered} 240 \mathrm{~V} \text { or } \\ 600 \mathrm{~V} \end{gathered}$ | H, J | 10,000[43] |
| $\begin{array}{\|l} \hline \text { Type DTU } \\ \text { (Series A) } \\ \hline \end{array}$ | 400-600 A | $\begin{gathered} 240 \mathrm{~V} \text { or } \\ 600 \mathrm{~V} \\ \hline \end{gathered}$ | H, K | 10,000 |
|  |  |  | R, J, T | 100,000 | non-fusible switches in conjunction with molded case circuit breakers has not been performed.

[43] Any brand of circuit breaker or fuse not exceeding the ampere rating of the switch may be used ahead of a non-fusible safety switch when there is up to 10 kA short circuit current available.

## Terminal Lug Data

Table 3.52: Terminal Lug Data for Type DT, DTU (Series F) Double Throw Safety Switches [45]

| Switch Type | $\begin{aligned} & \text { Wires } \\ & \text { per } \\ & \text { Phase } \end{aligned}$ | NEMA Type 1, 3R, 4, 4X, 12 |  |  | Optional Copper Only Lug |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Wire Range Wire Bending Space Per NEC Table 373-6 AWG/kcmil | Standard Lug Wire Range AWG/kcmil | $\begin{gathered} \text { Optional } \\ \text { Compression Lug } \end{gathered}$ Field-Installed |  |
| $\begin{array}{\|l} \hline \text { 30-60 A } \\ \text { Type DT, DTU } \\ \text { (Series F) } \\ \hline \end{array}$ | 1 | $\begin{gathered} 12-2 \mathrm{Al} \\ \text { or } \\ 14-2 \mathrm{Cu} \\ \hline \end{gathered}$ | $\begin{gathered} 12-2 \mathrm{Al} \\ \text { or } \\ 14-2 \mathrm{Cu} \\ \hline \end{gathered}$ | $\begin{gathered} \text { C10-14, } \\ \text { D8-14-Sk, } \\ \text { or E6-14 [46] } \\ \hline \end{gathered}$ | See Table 3.37 Copper Lug Kits, page 3-20 and Double Lug Kits, page 3-21 for appropriate kit. Order two kits per switch. |
| $\begin{array}{\|l\|} \hline 100 \mathrm{~A} \\ \text { Type DT, DTU } \\ \text { (Series F) } \\ \hline \end{array}$ | 1 | $\begin{gathered} 12-1 / 0 \mathrm{Al} \\ \text { or } \\ 14-1 / 0 \mathrm{Cu} \\ \hline \end{gathered}$ | $\begin{gathered} \hline 12-1 / 0 \mathrm{Al} \\ \text { or } \\ 14-1 / 0 \mathrm{Cu} \\ \hline \end{gathered}$ | VCEL02114S1 [47] |  |

Table 3.53: Terminal Lug Data for Types 82,000 and for A and E-Series DTU devices [45]

| Amperes | Wires per Phase | Wire Range Wire Bending Space Per NEC Table 373-6 AWG/kcmil | Lug Wire Range AWG/kcmil | Optional Compression Lugs Field-Installed |
| :---: | :---: | :---: | :---: | :---: |
| 30 A (Series T4) | 1 | $14-8 \mathrm{Al} / \mathrm{Cu}$ | $\begin{gathered} 12-2 \mathrm{Al} \\ \text { or } \\ 14-2 \mathrm{Cu} \\ \hline \end{gathered}$ | - |
| 200 | 1 | 6-300 AI/Cu | 6-300 Al/Cu | VCEL030516H1 [47] |
| 400 | $\begin{gathered} 1 \\ \text { or } \\ 2 \end{gathered}$ | $\begin{aligned} & 1 / 0-600 \mathrm{Al} / \mathrm{Cu} \\ & \text { or } \\ & 1 / 0-300 \mathrm{Al} / \mathrm{Cu} \end{aligned}$ | $\begin{gathered} 1 / 0-750 \mathrm{Al} / \mathrm{Cu} \\ \text { or } \\ 1 / 0-300 \mathrm{Al} / \mathrm{Cu} \end{gathered}$ | - |
| 600 | 2 | $250-500 \mathrm{Al} / \mathrm{Cu}$ | $250-500 \mathrm{Al} / \mathrm{Cu}$ | - |

240 V Double Throw: page 3-26
600 V Double Throw: page 3-27
Accessories: page 3-28
Dimensions, 30-100 A (Series F): page 3-32
Dimensions, 30, 200-600 A (Series E, T4, A): page 3-32

Series F Devices 30-100 A
Table 3.54: 30-100 A Type DT, DTU (Series F)—Approximate Dimensions

| Cat. No. | Series | H |  | W |  | W/H |  | D |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | in. | mm | in. | mm | in. | mm | in. | mm |
| DT223 | F5 | 38.00 | 965 | 9.88 | 251 | 11.13 | 283 | 6.75 | 171 |
| DT223RB | F5 | 38.00 | 965 | 6.87 | 174 | 8.12 | 206 | 6.60 | 168 |
| DT321 | F5 | 38.00 | 965 | 10.25 | 260 | 11.50 | 292 | 6.75 | 171 |
| DT321RB | F5 | 38.00 | 965 | 10.25 | 260 | 11.80 | 300 | 6.60 | 168 |
| DT322 | F5 | 38.00 | 965 | 10.25 | 260 | 11.50 | 292 | 6.75 | 171 |
| DT322RB | F5 | 38.00 | 965 | 10.25 | 260 | 11.80 | 300 | 6.60 | 168 |
| DT323 | F5 | 38.00 | 965 | 9.88 | 251 | 11.13 | 283 | 6.75 | 171 |
| DT323RB | F5 | 38.00 | 965 | 6.87 | 174 | 8.12 | 206 | 6.60 | 168 |
| DT361 | F5 | 38.00 | 965 | 10.25 | 260 | 11.50 | 292 | 6.75 | 171 |
| DT361RB | F5 | 38.00 | 965 | 10.25 | 260 | 11.80 | 300 | 6.60 | 168 |
| DT362 | F5 | 38.00 | 965 | 10.25 | 260 | 11.50 | 292 | 6.75 | 171 |
| DT362RB | F5 | 38.00 | 965 | 10.25 | 260 | 11.80 | 300 | 6.60 | 168 |
| DT363 | F5 | 38.00 | 965 | 9.88 | 251 | 11.13 | 283 | 6.75 | 171 |
| DT363RB | F5 | 38.00 | 965 | 6.87 | 174 | 8.12 | 206 | 6.60 | 168 |
| DTU222 | F5 | 29.94 | 760 | 10.25 | 260 | 11.96 | 304 | 6.93 | 176 |
| DTU223 | F5 | 29.94 | 760 | 10.25 | 260 | 11.96 | 304 | 6.93 | 176 |
| DTU223RB | F5 | 30.50 | 775 | 10.25 | 260 | 11.96 | 304 | 6.93 | 176 |
| DTU321 | F5 | 29.94 | 760 | 10.25 | 260 | 11.96 | 304 | 6.93 | 176 |
| DTU322 | F5 | 29.94 | 760 | 10.25 | 260 | 11.96 | 304 | 6.93 | 176 |
| DTU323 | F5 | 29.94 | 760 | 10.25 | 260 | 11.96 | 304 | 6.93 | 176 |
| DTU323RB | F5 | 30.50 | 775 | 10.25 | 260 | 11.96 | 304 | 6.93 | 176 |
| DTU361 | F5 | 29.94 | 760 | 10.25 | 260 | 11.96 | 304 | 6.93 | 176 |
| DTU361RB | F5 | 30.50 | 775 | 10.25 | 260 | 11.96 | 304 | 6.93 | 176 |
| DTU362 | F5 | 29.94 | 760 | 10.25 | 260 | 11.96 | 304 | 6.93 | 176 |
| DTU362AWK | F6 | 29.94 | 760 | 10.25 | 260 | 11.96 | 304 | 6.93 | 176 |
| DTU362DS | F6 | 30.26 | 769 | 10.25 | 260 | 11.50 | 292 | 7.12 | 181 |
| DTU362RB | F5 | 30.50 | 775 | 10.25 | 260 | 11.96 | 304 | 6.93 | 176 |
| DTU363 | F5 | 29.94 | 760 | 10.25 | 260 | 11.96 | 304 | 6.93 | 176 |
| DTU363AWK | F6 | 29.94 | 760 | 10.25 | 260 | 11.96 | 304 | 6.93 | 176 |
| DTU363DS | F6 | 30.26 | 769 | 10.25 | 260 | 11.50 | 292 | 7.12 | 181 |
| DTU363RB | F5 | 30.50 | 775 | 10.25 | 260 | 11.96 | 304 | 6.93 | 176 |
| DTU462 | F5 | 29.94 | 760 | 10.25 | 260 | 11.96 | 304 | 6.93 | 176 |
| DTU462AWK | F6 | 30.26 | 769 | 15.50 | 394 | 16.75 | 425 | 7.12 | 181 |
| DTU462DS | F6 | 30.26 | 769 | 15.50 | 394 | 16.75 | 425 | 7.12 | 181 |
| DTU463 | F5 | 29.94 | 760 | 10.25 | 260 | 11.96 | 304 | 6.93 | 176 |
| DTU463AWK | F6 | 30.26 | 769 | 15.50 | 394 | 16.75 | 425 | 7.12 | 181 |
| DTU463DS | F6 | 30.26 | 769 | 15.50 | 394 | 16.75 | 425 | 7.12 | 181 |
| DTU662AWK | F6 | 30.26 | 769 | 15.50 | 394 | 16.75 | 425 | 7.12 | 181 |
| DTU663AWK | F6 | 30.26 | 769 | 15.50 | 394 | 16.75 | 425 | 7.12 | 181 |

Series A, E, and T4 Devices
Table 3.55: 200-600 A Types 82,000 and E-Series DTU and 30 A devices-Approximate Dimensions

| Cat. No. | Series | H |  | W |  | W/H |  | D |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | in. | mm | in. | mm | in. | mm | in. | mm |
| DTU224NRB | E1 | 32.50 | 826 | 20.63 | 524 | 24.00 | 610 | 10.63 | 270 |
| 82254 | E1 | 30.88 | 784 | 15.75 | 400 | 19.63 | 499 | 9.75 | 248 |
| 82254 NW | E1 | 30.88 | 784 | 20.00 | 508 | 23.88 | 607 | 11.75 | 298 |
| 82344 | E2 | 30.88 | 784 | 20.00 | 508 | 23.88 | 607 | 11.75 | 298 |
| 82344RB | E1 | 32.50 | 826 | 20.63 | 524 | 24.00 | 610 | 10.63 | 270 |
| 82354 | E1 | 30.88 | 784 | 20.00 | 508 | 23.88 | 607 | 11.75 | 298 |
| 92251 | T4 | 10.00 | 254 | 8.00 | 203 | 9.75 | 248 | 4.75 | 121 |
| 82344DS | E1 | 30.88 | 784 | 20.00 | 508 | 23.88 | 607 | 11.75 | 298 |
| DTU324N | E1 | 32.50 | 826 | 24.50 | 622 | 26.25 | 667 | 10.63 | 270 |
| DTU324NRB | E1 | 32.50 | 826 | 24.50 | 622 | 26.25 | 667 | 10.63 | 270 |
| H82344 | E2 | 32.50 | 826 | 24.50 | 622 | 26.25 | 667 | 10.63 | 270 |
| H82444 | E2 | 32.50 | 826 | 30.21 | 767 | 33.61 | 854 | 10.63 | 270 |
| H82454 | E3 | 32.50 | 826 | 30.21 | 767 | 33.61 | 854 | 10.63 | 270 |
| 82454 | E3 | 38.00 | 965 | 29.62 | 753 | 33.02 | 839 | 10.63 | 270 |
| 82444 | E3 | 38.00 | 965 | 29.62 | 753 | 33.02 | 839 | 10.63 | 270 |
| 82454R | E3 | 38.00 | 965 | 29.62 | 753 | 33.02 | 839 | 10.63 | 270 |
| 82444R | E3 | 38.00 | 965 | 29.62 | 753 | 33.02 | 839 | 10.63 | 270 |
| H82254 | E3 | 32.50 | 826 | 24.50 | 622 | 26.25 | 667 | 10.63 | 270 |
| H82354 | E3 | 32.50 | 826 | 24.50 | 622 | 26.25 | 667 | 10.63 | 270 |
| 82444DS | E3 | 38.00 | 965 | 29.62 | 753 | 33.02 | 839 | 10.63 | 270 |
| DTU326 | A1 | 63.31 | 1608 | 23.66 | 601 | 24.46 | 621 | 8.88 | 226 |
| DTU426 | A1 | 63.31 | 1608 | 27.00 | 686 | 27.80 | 706 | 8.88 | 226 |
| DTU366 | A1 | 63.31 | 1608 | 23.66 | 601 | 24.46 | 621 | 8.88 | 226 |
| DTU466 | A1 | 63.31 | 1608 | 27.00 | 686 | 27.80 | 706 | 8.88 | 226 |
| DTU326R | A1 | 63.76 | 1619 | 23.66 | 601 | 24.46 | 621 | 8.88 | 226 |
| DTU426R | A1 | 63.76 | 1619 | 27.00 | 686 | 27.80 | 706 | 8.88 | 226 |
| DTU366R | A1 | 63.76 | 1619 | 23.66 | 601 | 24.46 | 621 | 8.88 | 226 |
| DTU466R | A1 | 63.76 | 1619 | 27.00 | 686 | 27.80 | 706 | 8.88 | 226 |
| DTU366AWK | A1 | 63.76 | 1619 | 23.66 | 601 | 24.46 | 621 | 8.88 | 226 |
| DTU225 | A1 | 53.81 | 1367 | 23.13 | 588 | 23.88 | 607 | 7.25 | 184 |
| DTU225R | A1 | 53.81 | 1367 | 23.13 | 588 | 23.88 | 607 | 7.25 | 184 |
| DTU325 | A1 | 53.81 | 1367 | 23.13 | 588 | 23.88 | 607 | 7.25 | 184 |
| DTU325R | A1 | 53.81 | 1367 | 23.13 | 588 | 23.88 | 607 | 7.25 | 184 |
| DTU365 | A1 | 53.81 | 1367 | 23.13 | 588 | 23.88 | 607 | 7.25 | 184 |
| DTU325R | A1 | 53.81 | 1367 | 23.13 | 588 | 23.88 | 607 | 7.25 | 184 |
| DTU365AWK | A1 | 57.50 | 1461 | 23.00 | 584 | 23.75 | 603 | 7.25 | 184 |
| DTU365DS | A1 | 57.50 | 1461 | 23.00 | 584 | 23.75 | 603 | 7.25 | 184 |
| DTU465 | A1 | 53.81 | 1367 | 23.13 | 588 | 23.88 | 607 | 7.25 | 184 |

Table 3.55 200-600 A Types 82,000 and E-Series DTU and 30 A devices-Approximate Dimensions (cont'd.)

| Cat. No. | Series | H |  | W |  | W/H |  | D |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | in. | mm | in. | mm | in. | mm | in. | mm |
| DTU465R | A1 | 53.81 | 1367 | 23.13 | 588 | 23.88 | 607 | 7.25 | 184 |
| 240 V Double Throw: page 3-26 <br> 600 V Double Throw: page 3-27 |  | Accessories: page 3-28 Application Data: page 3-30 |  |  |  | Dimensions, 30-100 A (Series F): page 3-32 |  |  |  |


[^0]:    [23] Electrical interlock kit catalog numbers with -1 suffix indicate one normally open and one normally closed contact; -2 indicates two normally open and two normally closed contacts. Kits are UL Listed.
    [24] Single-pole single-throw interlock kits are rated $1 / 2 \mathrm{hp}$ at 110 and 220 Vac.
    [25] -1 Suffix uses a 9007A01 limit switch.
    [26] -2 Suffix uses a 9007C03 limit switch.
    [27] Light duty safety switches.
    [28] 60 A non-fusible switches accept PK3GTA1.
    [29] Two required if ground conductors are run in parrellel.
    [30] Not suitable for use on 400 A NEMA Type 3R.
    [31] 30-100 A switches suitable for $60^{\circ} \mathrm{C}$ or $75^{\circ} \mathrm{C}$ conductors. 200-800 A switches suitable for $75^{\circ} \mathrm{C}$ conductors.
    [32] Light duty switches only.

[^1]:    1] For Rainproof Bolt-On Hubs and Watertight Hubs see Hubs, page 3-16.
    [2] Complete rating is NEMA Type 3, 3R, 4, 4X, 5 and 12. For NEMA Type 3R applications, remove drain screw from bottom endwall.
    [3] See 316 Grade Stainless Steel-NEMA Type 3, 3R, 4, 4X, 5, 12, page 3-13.
    [4] Also suitable for NEMA Type 3R application by removing drain screw from bottom endwall.
    [5] Factory included to prevent inadvertent contact with live parts per .UL 869A and NEC Service entrance barrier requirements
    [6] For switching dc, use two outside switching poles.
    [7] For corner grounded delta systems, use switching poles for ungrounded conductors. See data bulletin 2700DB0202 for additional information.
    8] 60 ampere switch with 30 ampere fuse spacing and clips. Must use 60 A enclosure accessories including electrical interlocks.
    [9] For corner grounded delta systems, use switching poles for ungrounded conductors.
    [10] Suitable for NEMA Type 5 applications with drain screw installed.

[^2]:    [49] Accessories and Special Features, page 3-16
    [50] Receptacle UL listed for use with Appleton ${ }^{\text {TM }}$ ACP or CPH plugs; UL Classified for use with Crouse-Hinds APJ Arktite ${ }^{\text {TM }}$ plugs. (see Table 3.23.
    [51] Std.-Using fast acting one time fuses. Max.-Using dual element time delay fuses
    [52] Std.-Using fast acting one time fuses. Max.—Using dual element time delay fuses.
    [53] For switching dc, use two outside switching poles.
    [54] SCCR when using 60 Amp Max fuse.

