



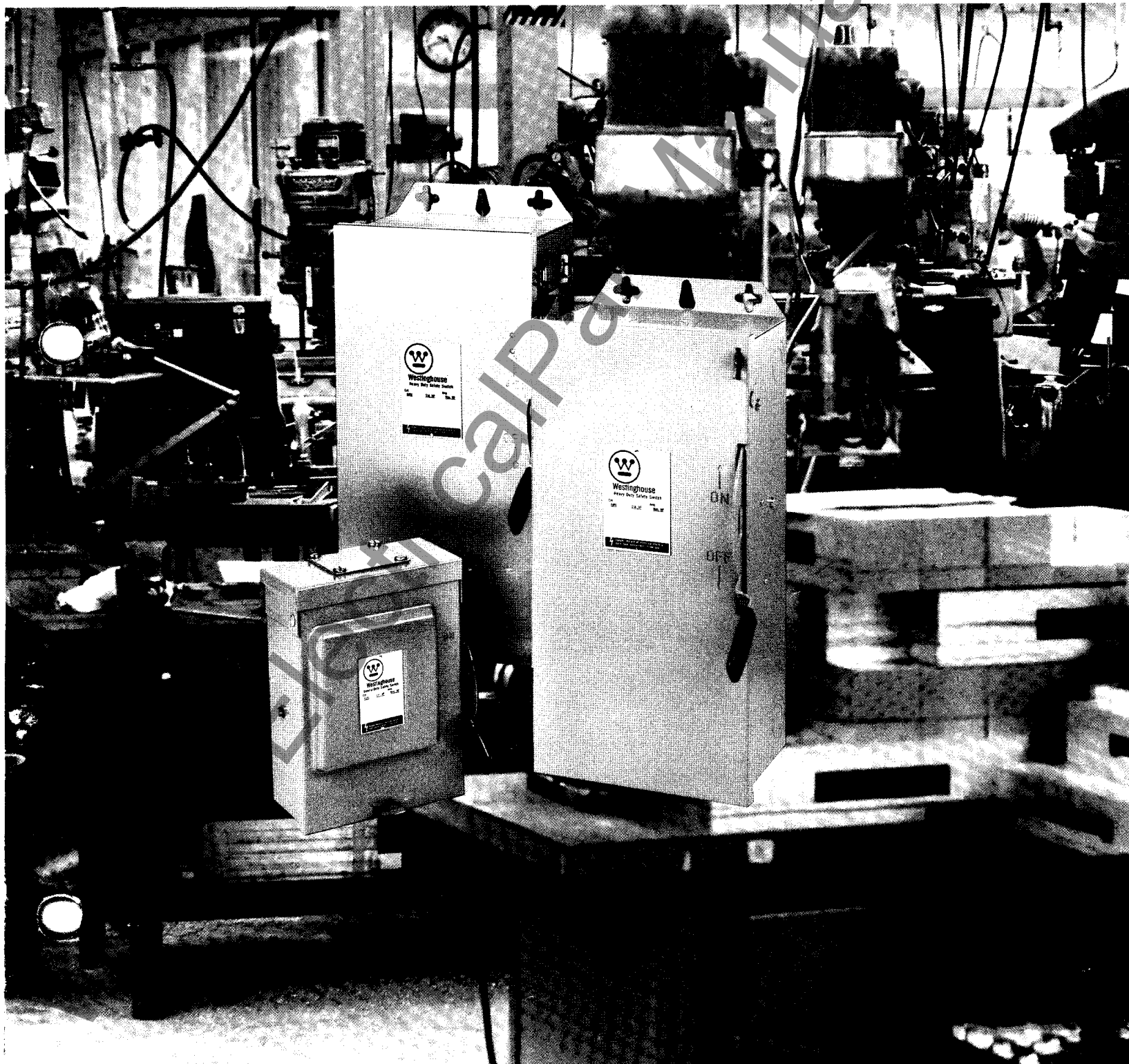
**Westinghouse Electric Corporation**  
Bryant Electric, Circuit Protective Devices  
Bridgeport, Connecticut 06606

Catalog  
**30-150**

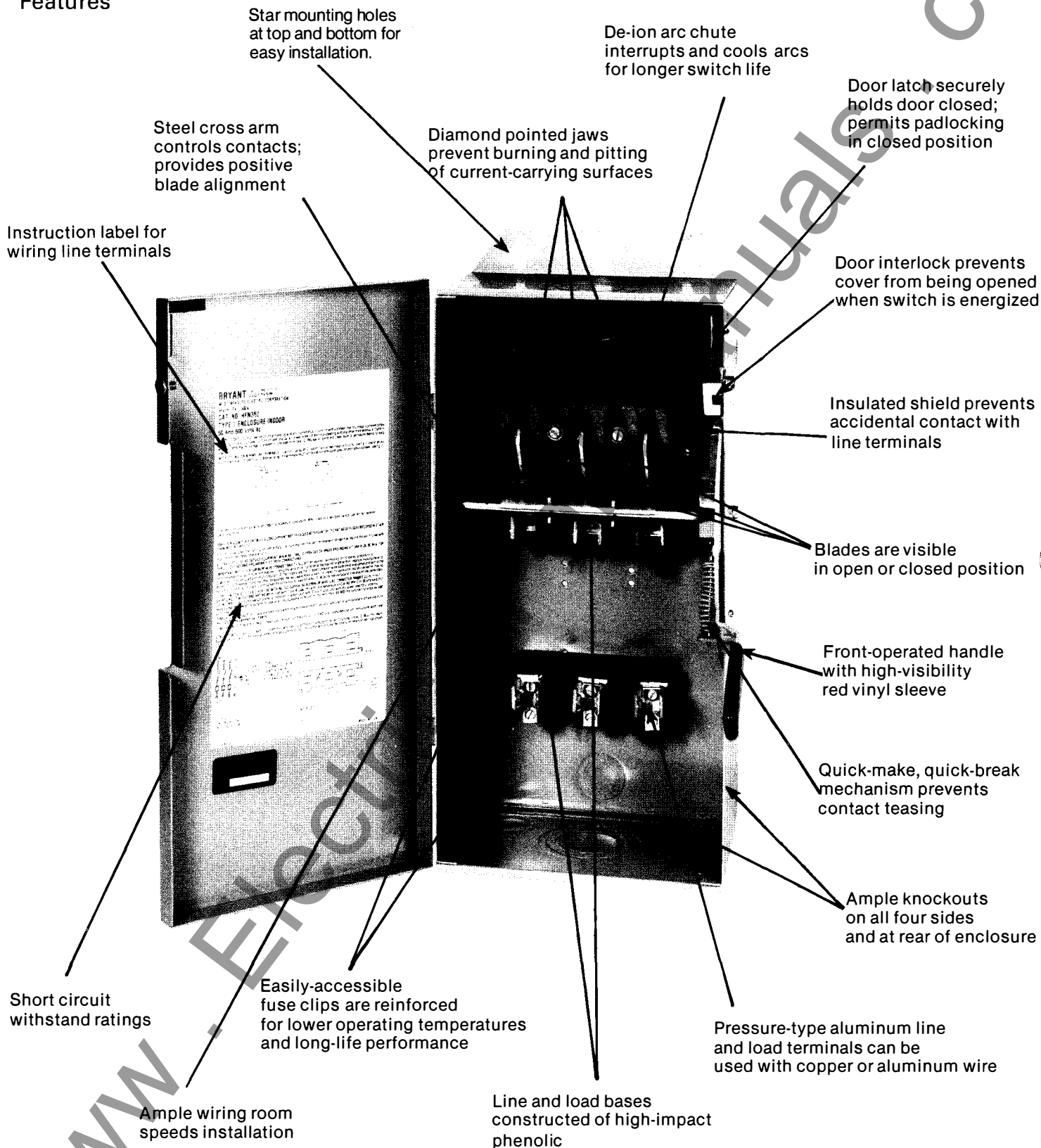
Page 1

August 28, 1985  
New Information  
For standard terms of sale,  
refer to Selling Policy 30-000  
Mailed to: E, D, C/30-100A,  
EFML-E01, E02, E03, E04

## **Safety Switches Motor Circuit Switches**



## Heavy Duty Safety Switches Features





## Heavy Duty Safety Switches Features



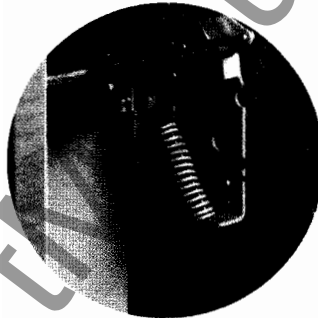
**RATING IDENTIFICATION:** Embossed nameplate enhances appearance and permanently identifies Westinghouse name, catalog numbers, volts, ampere and horsepower ratings. No need to open door to obtain data.



**DUAL PURPOSE INTER-LOCK:** Prevents switch from being thrown ON with cover open; prevents cover from being opened unless switch is OFF. Authorized personnel can bypass both conditions by inserting screwdriver into interlock defeater (cover slot located above handle).



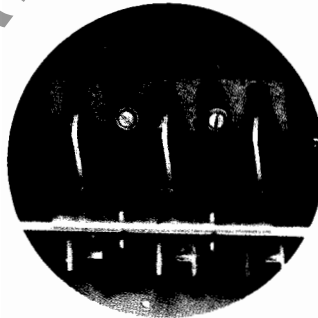
**DURABLE FINISH:** Entire enclosure is bonderized inside and out and coated with baked on enamel for maximum durability and resistance to rust. Scratches cannot spread even though they extend through to the bare metal.



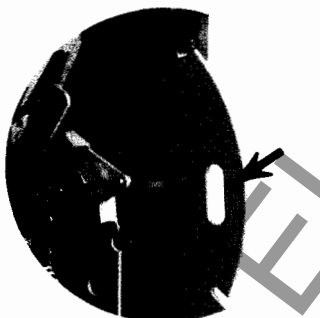
**TEASEPROOF SWITCH MECHANISM:** Over-center design with positive drive spring action maximizes strength of quick-make, quick-break switch mechanism. Prevents contact teasing. Handle operates independently of cam and crossbar, allowing cover to be opened or closed in the unlikely event of drive spring breakage.



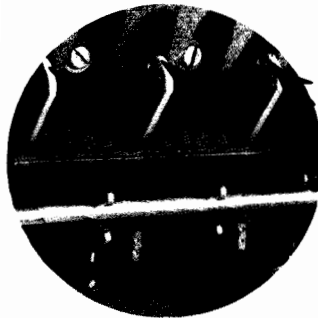
**FRONT OPERATED HANDLE:** An integral part of switch mechanism, the easily accessible handle permanently controls contacts, permits close ganging, does *not* disconnect when door is opened. Red vinyl sleeve provides high visibility; indicates handle position (down for OFF; up for ON).



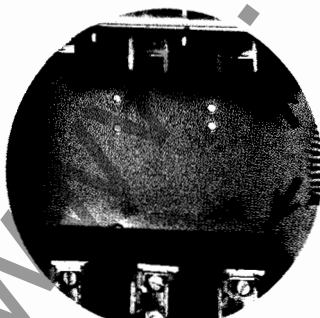
**STEEL CROSS ARM AND YOKES:** Steel yokes in an impact-resistant glass polyester insulating block firmly engage steel cross-arm that drives the moving blades and provides positive blade alignment.



**PADLOCKING:** Operating handle can be padlocked in OFF position by three padlocks with 3/8" hasps. Prevents closing of contacts - an essential requirement for heavy-duty industrial applications. Handle can be padlocked in ON position by drilling hole in handle at position marked "X".



**DIAMOND-POINTED BREAK-JAWS:** Moving contacts extend beyond the break-jaws, permitting the breaking arc to travel along the outside non current-carrying edges of jaws and blades. Prevents burning and pitting of current-carrying surfaces.



**REMOVABLE INTERIOR PARTS:** All interior parts are easily removable from the front if replacement is necessary.

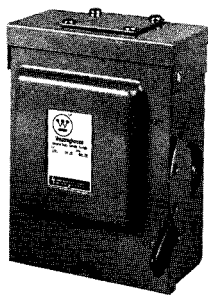


**DE-ION ARC CHUTE**  
Prevents arc damage by interrupting and cooling hot arcs. Molded material of chute is carbonizing and track resistant. Prolongs switch life; allows maximum horsepower ratings permitted by UL.

## General Duty Safety Switches Plug Fuse, Fusible and Non-Fusible



PF-311-N



RGFN-321-N



GFN-321-N



GFN-422-N

### Features-Specifications

- Embossed metal nameplate permanently identifies cat. no., amps, hp ratings
- Front-operated handle permits close ganging. Handle is integral part of switching mechanism; provides permanent control of contacts; can be padlocked in OFF or ON position
- Red vinyl cover instantly identifies handle; indicates position
- Blades visible in open or closed position
- Twin reinforced blades provide maximum surface contact
- Quick-make, quick-break, tease-proof switching mechanism
- Diamond-pointed break jaws prolong blade life; keep silver-plated contact area free of pitting and burning
- Tin plated current carrying parts provide an excellent bearing surface for moving parts
- Easily accessible fuse holders suitable for standard and time delay fuses at maximum UL ratings
- Ample knockouts and wiring room
- Line and load terminals suitable for copper or aluminum wire
- Door latch securely holds door closed; permits padlocking
- Door interlock prevents door from opening when switch is energized
- Star mounting feet assure easy mounting
- UL Listed File E5189
- Meet NEMA Spec. KS1-1975
- Meet Federal Spec. WS-865c

### Application Data

- All switches are Underwriters' Laboratories listed and suitable for use as Service Entrance Equipment when neutral is provided or grounding kit is employed.

### NEMA 1 PLUG FUSE INDOOR, NEMA 3R PLUG FUSE RAINPROOF

With Neutral 120 Volts Ac 1 Phase 1 Wire

| FUSIBLE SYSTEMS     | AMPS | NEMA 1 INDOOR |                  |           | NEMA 3R RAINPROOF |                  |           | HORSE POWER RATINGS |            |            |            |
|---------------------|------|---------------|------------------|-----------|-------------------|------------------|-----------|---------------------|------------|------------|------------|
|                     |      | CAT. NO.      | APPROX. WT. LBS. | STD. PKG. | CAT. NO.          | APPROX. WT. LBS. | STD. PKG. | 120 V MAX.          | 120 V STD. | 240 V MAX. | 240 V STD. |
| 1-Pole<br>2-Wire SN | 30   | PF-211-N      | 22               | 10        | RPF-211-N         | 17               | 5         | 2                   | 1/2        |            |            |
| 2-Pole<br>3-Wire SN | 30   | PF-311-N      | 26               | 10        | RPF-311-N         | 20               | 5         | 2                   | 1/2        | 3          | 1 1/2      |

With Neutral 180-240 Volts Ac 1 Phase 1 Wire

### FUSIBLE, 240 VOLTS AC — NEMA 1 AND 3R ENCLOSURES

| POLES               | AMPS                                 | NEMA 1 INDOOR                                                                     |                                    |                             | NEMA 3R RAINPROOF                                                                   |                                    |                            | HORSEPOWER RATINGS 240 VAC                  |                                 |                                   |                                       |
|---------------------|--------------------------------------|-----------------------------------------------------------------------------------|------------------------------------|-----------------------------|-------------------------------------------------------------------------------------|------------------------------------|----------------------------|---------------------------------------------|---------------------------------|-----------------------------------|---------------------------------------|
|                     |                                      | CAT. NO.                                                                          | APPROX. WT. LBS.                   | STD. PKG.                   | CAT. NO.                                                                            | APPROX. WT. LBS.                   | STD. PKG.                  | AC STD.                                     | 1 $\phi$                        | 3 $\phi$                          | MAX.                                  |
| 2-Pole<br>2-Wire    | 30<br>60<br>100<br>200<br>400<br>600 | GFN-221<br>Use 3 Wire,<br>2 Pole Solid<br>Neutral<br>Listings<br>Below            | 45                                 | 10                          | RGFN-221<br>Use 3 Wire,<br>2 Pole Solid<br>Neutral<br>Listings<br>Below             | 32                                 | 5                          | 1 1/2                                       | 3 $\phi$                        | 1 $\phi$                          | 3 $\phi$                              |
| 2-Pole<br>3-Wire SN | 30<br>60<br>100<br>200<br>400<br>600 | GFN-321-N<br>GFN-322-N<br>GFN-323-N<br>GFN-324-N<br>GFN-325-N<br>GFN-326-N        | 45<br>15<br>20<br>31<br>140<br>235 | 10<br>1<br>1<br>1<br>1<br>1 | RGFN-321-N<br>RGFN-322-N<br>RGFN-323-N<br>RGFN-324-N<br>RGFN-325-N<br>RGFN-326-N    | 32<br>15<br>23<br>34<br>155<br>245 | 5<br>1<br>1<br>1<br>1<br>1 | 1 1/2<br>3<br>7 1/2<br>15<br>25<br>50<br>75 | 3<br>10<br>15<br>25<br>50<br>75 | 3<br>15<br>30<br>50<br>100<br>100 | 7 1/2<br>15<br>30<br>50<br>100<br>100 |
| 3-Pole<br>3-Wire    | 30<br>60<br>100<br>200<br>400<br>600 | Use 4 Wire,<br>3 Pole Solid<br>Neutral<br>Listings<br>Below<br>GFN-325<br>GFN-326 | 145<br>290                         | 1<br>1                      | Use 4 Wire,<br>3 Pole Solid<br>Neutral<br>Listings<br>Below<br>RGFN-325<br>RGFN-326 | 160<br>300                         | 1<br>1                     | 50<br>75                                    | ...                             | ...                               | 100<br>100                            |
| 3-Pole<br>4-Wire SN | 30<br>60<br>100<br>200<br>400<br>600 | GFN-421-N<br>GFN-422-N<br>GFN-423-N<br>GFN-424-N<br>GFN-425-N<br>GFN-426-N        | 45<br>17<br>23<br>34<br>145<br>295 | 10<br>1<br>1<br>1<br>1<br>1 | RGFN-421-N<br>RGFN-422-N<br>RGFN-423-N<br>RGFN-424-N<br>RGFN-425-N<br>RGFN-426-N    | 32<br>17<br>26<br>37<br>160<br>305 | 5<br>1<br>1<br>1<br>1<br>1 | 3<br>7 1/2<br>15<br>25<br>50<br>75          | ...                             | ...                               | 7 1/2<br>15<br>30<br>50<br>100<br>100 |

### NON-FUSIBLE, 240 VOLTS AC — NEMA 1 AND 3R ENCLOSURES

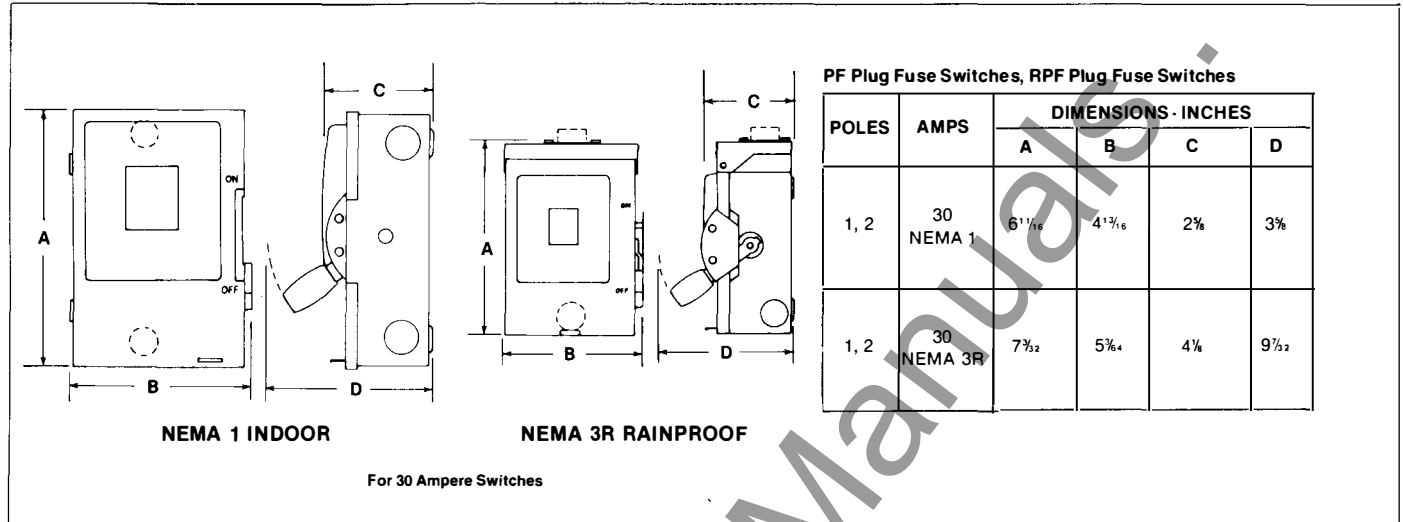
|                  |                                      |                                                                |                                    |                             |                                                                      |                                    |                            |     |         |                                       |
|------------------|--------------------------------------|----------------------------------------------------------------|------------------------------------|-----------------------------|----------------------------------------------------------------------|------------------------------------|----------------------------|-----|---------|---------------------------------------|
| 2-Pole<br>2-Wire | 30<br>60<br>100<br>200<br>400<br>600 | Use 3 Pole<br>Listings<br>Below                                | 10<br>1                            | RGUN-221<br>RGUN-222        | 32<br>15                                                             | 5<br>1                             | ...                        | ... | 3<br>10 | ...                                   |
| 3-Pole<br>3-Wire | 30<br>60<br>100<br>200<br>400<br>600 | GUN-321<br>GUN-322<br>GUN-323<br>GUN-324<br>GUN-325<br>GUN-326 | 45<br>16<br>18<br>32<br>135<br>290 | 10<br>1<br>1<br>1<br>1<br>1 | RGUN-321<br>RGUN-322<br>RGUN-323<br>RGUN-324<br>RGUN-325<br>RGUN-326 | 32<br>17<br>21<br>36<br>150<br>300 | 5<br>1<br>1<br>1<br>1<br>1 | ... | ...     | 7 1/2<br>15<br>30<br>50<br>100<br>100 |



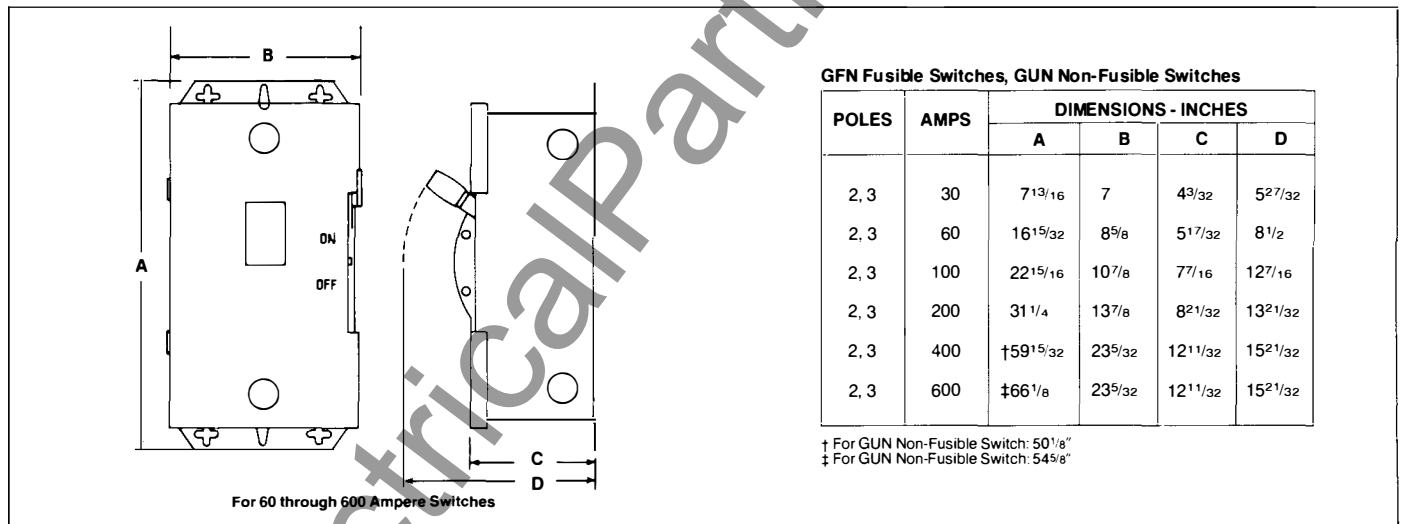
## General Duty Safety Switches

### Dimensional Data, Nema 1, Nema 3R

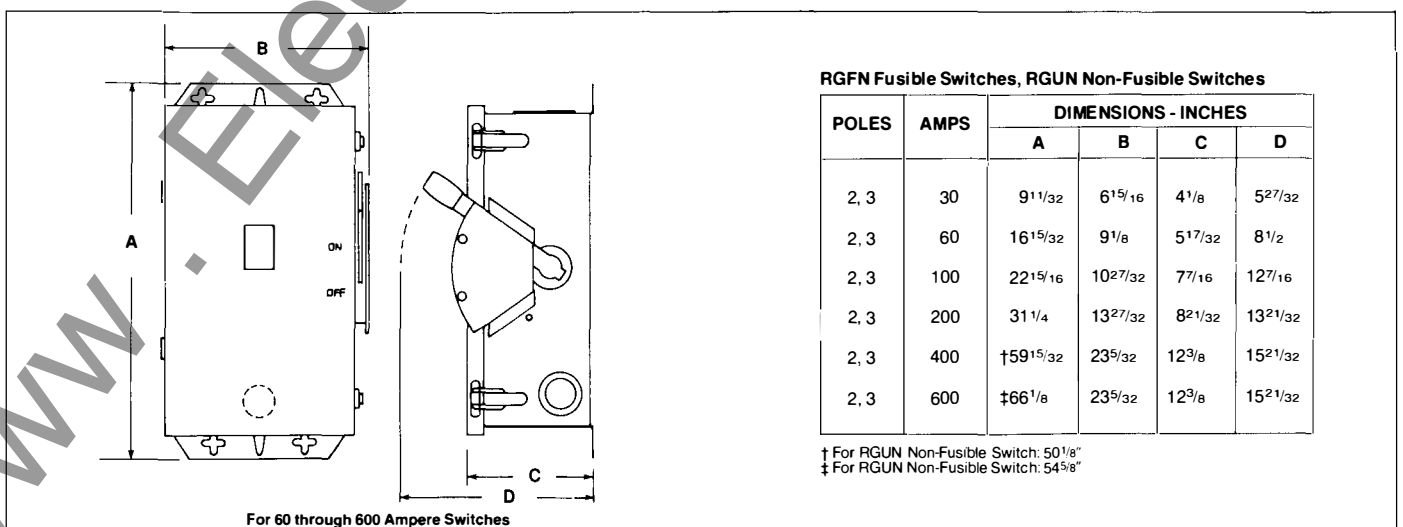
#### NEMA 1 PLUG FUSE INDOOR, NEMA 3R PLUG FUSE RAINPROOF



#### NEMA 1 INDOOR



#### NEMA 3R RAINPROOF



All products in this catalog meet the new wire bending space requirements as identified in 1981 NEC Section 373-6 (b).



## Heavy Duty Safety Switches Fusible



HFN-362



RHFN-362



WHFN-362



JHFN-362

### Features-Specifications

- Bonderized UL Listed organic finish resists rust
- Dual cover interlock prevents accidental operation; door cannot be opened when switch is ON; contacts cannot close with door open. Both functions are defeatable by authorized personnel
- Line terminal shield prevents accidental contact with line terminals
- De-ion arc chute interrupts and cools hot arcs; prevents arc damage
- Embossed metal nameplate permanently identifies catalog number, amperes and horsepower rating
- Front-operated handle permits close ganging. Handle is integral part of switching mechanism; provides permanent control of contacts; can be padlocked in OFF or ON position
- Red vinyl cover instantly identifies handle, indicates position
- Blades visible in open or closed position
- Quick-make, quick-break, tease-proof switching mechanism
- Diamond-pointed break jaws prolong blade life; keep contact area free of pitting and burning
- Tin-plated current-carrying parts have lubricated moving parts for ease of operation
- Easily accessible fuse holders suitable for standard, time delay and Type J fuses (Type J for enclosures thru 600A)
- Ample knockouts and wiring room
- Line and load terminals suitable for copper or aluminum wire

### 240 VOLTS Ac, 250 VOLTS Dc, FUSIBLE ⑦ NEMA 1, 3R, 4 AND 12 ENCLOSURES Fusible ⑦, 240 Volts Ac or 250 Volts Dc

| POLES                                                                                                     | AMPS | NEMA 1 ③<br>INDOOR<br>CAT. NO.                                                                   | NEMA 3R<br>RAINPROOF<br>CAT. NO.                                                                 | NEMA 4<br>STLS. STEEL<br>CAT. NO.                                                                | NEMA 12 ④⑤<br>CAT. NO.                                                                           | HORSEPOWER RATING |     |         |     | 250<br>VOLTS<br>Dc |
|-----------------------------------------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------|-----|---------|-----|--------------------|
|                                                                                                           |      |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                  | 240 VOLTS         |     |         |     |                    |
|                                                                                                           |      |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                  | Ac STD.           |     | MAXIMUM |     |                    |
|                                                                                                           |      |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                  | 1φ                | 3φ  | 1φ      | 3φ  |                    |
| 2-Pole<br>2-Wire<br>     | 30   | HFN-221                                                                                          | RHFN-221                                                                                         | WHFN-221                                                                                         | JHFN-221                                                                                         | 1 1/2             | ... | 3       | ... | 5                  |
|                                                                                                           | 60   | HFN-222                                                                                          | RHFN-222                                                                                         | WHFN-222                                                                                         | JHFN-222                                                                                         | 3                 | ... | 10      | ... | 10                 |
|                                                                                                           | 100  | HFN-223                                                                                          | RHFN-223                                                                                         | WHFN-223                                                                                         | JHFN-223                                                                                         | 7 1/2             | ... | 15      | ... | 20                 |
|                                                                                                           | 200  | HFN-224                                                                                          | RHFN-224                                                                                         | WHFN-224                                                                                         | JHFN-224                                                                                         | 15                | ... | ...     | ... | 40                 |
|                                                                                                           | 400  | HFN-225                                                                                          | RHFN-225                                                                                         | WHFN-225                                                                                         | JHFN-225                                                                                         | ...               | ... | ...     | ... | ...                |
|                                                                                                           | 600  | HFN-226                                                                                          | RHFN-226                                                                                         | WHFN-226                                                                                         | JHFN-226                                                                                         | ...               | ... | ...     | ... | ...                |
| 2-Pole<br>3-Wire SN<br> | 30   | Order 2 Pole<br>switch from<br>above<br>Select neutral<br>kit from<br>neutral table<br>on page 9 | Order 2 Pole<br>switch from<br>above<br>Select neutral<br>kit from<br>neutral table<br>on page 9 | Order 2 Pole<br>switch from<br>above<br>Select neutral<br>kit from<br>neutral table<br>on page 9 | Order 2 Pole<br>switch from<br>above<br>Select neutral<br>kit from<br>neutral table<br>on page 9 | 1 1/2             | ... | 3       | ... | 5                  |
|                                                                                                           | 60   |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                  | 3                 | ... | 10      | ... | 10                 |
|                                                                                                           | 100  |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                  | 7 1/2             | ... | 15      | ... | 20                 |
|                                                                                                           | 200  |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                  | 15                | ... | ...     | ... | 40                 |
|                                                                                                           | 400  |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                  | ...               | ... | ...     | ... | ...                |
|                                                                                                           | 600  |                                                                                                  |                                                                                                  |                                                                                                  |                                                                                                  | ...               | ... | ...     | ... | ...                |

### Fusible ⑦, 240 Volts Ac

|                         |     |                                                                                   |          |                                                                                   |          |     |       |     |       |     |
|-------------------------|-----|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------|----------|-----|-------|-----|-------|-----|
| 3-Pole<br>3-Wire<br>    | 30  | HFN-321                                                                           | RHFN-321 | WHFN-321                                                                          | JHFN-321 | ... | 3     | ... | 7 1/2 | ... |
|                         | 60  | HFN-322                                                                           | RHFN-322 | WHFN-322                                                                          | JHFN-322 | ... | 7 1/2 | ... | 15    | ... |
|                         | 100 | HFN-323                                                                           | RHFN-323 | WHFN-323                                                                          | JHFN-323 | ... | 15    | ... | 30    | ... |
|                         | 200 | HFN-324                                                                           | RHFN-324 | WHFN-324                                                                          | JHFN-324 | ... | 25    | ... | 60    | ... |
|                         | 400 | HFN-325                                                                           | RHFN-325 | WHFN-325                                                                          | JHFN-325 | ... | 50    | ... | 125   | 50  |
|                         | 600 | HFN-326                                                                           | RHFN-326 | WHFN-326                                                                          | JHFN-326 | ... | 75    | ... | 200   | ... |
| 3-Pole<br>4-Wire SN<br> | 30  | Order 3 Pole switch from above<br>Select neutral kit from neutral table on page 9 |          | Order 3 Pole switch from above<br>Select neutral kit from neutral table on page 9 |          | ... | 3     | ... | 7 1/2 | ... |
|                         | 60  |                                                                                   |          |                                                                                   |          | ... | 7 1/2 | ... | 15    | ... |
|                         | 100 |                                                                                   |          |                                                                                   |          | ... | 15    | ... | 30    | ... |
|                         | 200 |                                                                                   |          |                                                                                   |          | ... | 25    | ... | 60    | ... |
|                         | 400 |                                                                                   |          |                                                                                   |          | ... | 50    | ... | 125   | 50  |
|                         | 600 |                                                                                   |          |                                                                                   |          | ... | 75    | ... | 200   | ... |
| 4-Pole<br>4-Wire<br>    | 30  | HFN-421                                                                           |          |                                                                                   | JHFN-421 | ... | 3     | ... | 7 1/2 | ... |
|                         | 60  | HFN-422                                                                           |          |                                                                                   | JHFN-422 | ... | 7 1/2 | ... | 15    | ... |
|                         | 100 | HFN-423                                                                           |          |                                                                                   | JHFN-423 | ... | 15    | ... | 30    | ... |
|                         | 200 | HFN-424                                                                           |          |                                                                                   | JHFN-424 | ... | 25    | ... | 60    | ... |
|                         | 400 | HFN-425                                                                           |          |                                                                                   | JHFN-425 | ... | 50    | ... | 125   | ... |
|                         | 600 | HFN-426                                                                           |          |                                                                                   | JHFN-426 | ... | 75    | ... | 200   | ... |

### 600 VOLTS Ac, 600 VOLTS Dc, FUSIBLE ⑦ NEMA 1, 3R, 4 and 12 ENCLOSURES Fusible ⑦, 600 Volts Ac ②, 600 Volts Dc

| POLES                | AMPS | NEMA 1 ③<br>INDOOR<br>CAT. NO. | NEMA 3R<br>RAINPROOF<br>CAT. NO. | NEMA 4<br>STLS. STEEL<br>CAT. NO. | NEMA 12<br>CAT. NO. | HORSEPOWER RATING |            |            |            | VOLTS<br>Dc |     |
|----------------------|------|--------------------------------|----------------------------------|-----------------------------------|---------------------|-------------------|------------|------------|------------|-------------|-----|
|                      |      |                                |                                  |                                   |                     | Ac STD.           |            | MAXIMUM    |            | 250         | 600 |
|                      |      |                                |                                  |                                   |                     | 480V<br>1φ        | 600V<br>1φ | 480V<br>1φ | 600V<br>1φ |             |     |
| 2-Pole<br>2-Wire<br> | 30   | HFN-261                        | RHFN-261                         | WHFN-261                          | JHFN-261            | 3                 | 3          | 7 1/2      | 10         | ...         | 10  |
|                      | 60   | HFN-262                        | RHFN-262                         | WHFN-262                          | JHFN-262            | 5                 | 10         | 20         | 25         | ...         | 25  |
|                      | 100  | HFN-263                        | RHFN-263                         | WHFN-263                          | JHFN-263            | 10                | 15         | 30         | 40         | ...         | 40  |
|                      | 200  | HFN-264                        | RHFN-264                         | WHFN-264                          | JHFN-264            | 25                | 30         | 50         | 50         | ...         | 50  |
|                      | 400  | HFN-265                        | RHFN-265                         | WHFN-265                          | JHFN-265            | ...               | ...        | ...        | ...        | ...         | ... |
|                      | 600  | HFN-266                        | RHFN-266                         | WHFN-266                          | JHFN-266            | ...               | ...        | ...        | ...        | ...         | ... |
| 3-Pole<br>3-Wire<br> | 30   | HFN-361                        | RHFN-361                         | WHFN-361                          | JHFN-361            | 5                 | 7 1/2      | 15         | 20         | ...         | ... |
|                      | 60   | HFN-362                        | RHFN-362                         | WHFN-362                          | JHFN-362            | 15                | 15         | 30         | 50         | ...         | ... |
|                      | 100  | HFN-363                        | RHFN-363                         | WHFN-363                          | JHFN-363            | 25                | 30         | 60         | 75         | ...         | ... |
|                      | 200  | HFN-364                        | RHFN-364                         | WHFN-364                          | JHFN-364            | 50                | 60         | 125        | 150        | ...         | ... |
|                      | 400  | HFN-365                        | RHFN-365                         | WHFN-365                          | JHFN-365            | 100               | 125        | 250        | 350        | ...         | ... |
|                      | 600  | HFN-366                        | RHFN-366                         | WHFN-366                          | JHFN-366            | 150               | 200        | 400        | 500        | ...         | ... |

### Fusible ⑦, 600 Volts, Ac ②

|                      |     |         |          |          |          |     |       |     |     |     |     |
|----------------------|-----|---------|----------|----------|----------|-----|-------|-----|-----|-----|-----|
| 3-Pole<br>3-Wire<br> | 30  | HFN-361 | RHFN-361 | WHFN-361 | JHFN-361 | 5   | 7 1/2 | 15  | 20  | ... | ... |
|                      | 60  | HFN-362 | RHFN-362 | WHFN-362 | JHFN-362 | 15  | 15    | 30  | 50  | ... | ... |
|                      | 100 | HFN-363 | RHFN-363 | WHFN-363 | JHFN-363 | 25  | 30    | 60  | 75  | ... | ... |
|                      | 200 | HFN-364 | RHFN-364 | WHFN-364 | JHFN-364 | 50  | 60    | 125 | 150 | ... | ... |
|                      | 400 | HFN-365 | RHFN-365 | WHFN-365 | JHFN-365 | 100 | 125   | 250 | 350 | ... | ... |
|                      | 600 | HFN-366 | RHFN-366 | WHFN-366 | JHFN-366 | 150 | 200   | 400 | 500 | ... | ... |

① For neutral kits refer to page 9.

② 30-600 amp switches are available with provision for Class J fuses. To order, add suffix J to catalog number.

③ 800 and 1200 ampere switches have provision for Class L fuses (1 fuse per pole)

④ NEMA 12 (30 to 200 Amp.) enclosures are available with knockouts. To order, add suffix D to catalog number.

⑤ Switches are available with provision for tang terminals. To order, add suffix A to catalog number.

⑥ Ac rated only.

⑦ For Class R fuse kits, refer to page 14.

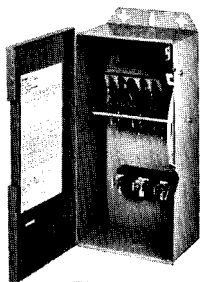
For new NEC terminal data see page 9.

For price information see Bryant Price List BPL 30-125

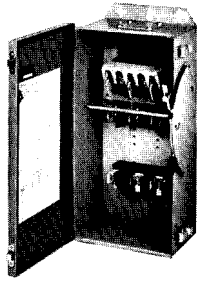
August, 1985



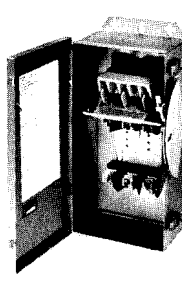
## Heavy Duty Safety Switches Fusible and Non-Fusible



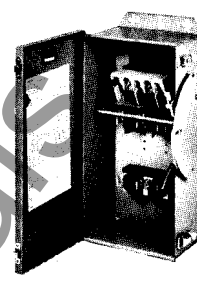
HFN-362



RHFN-362



WHFN-362



JHFN-362

### Features-Specifications

- Door latch securely holds door closed; permits padlocking
- Door interlock prevents door from opening when switch is energized
- Star mounting feet assure easy mounting
- UL Listed File E5189
- CSA Certified File (800-1200 amps) LR-28115
- Meet NEMA Spec. KS1-1975
- Meet Federal Spec. WS-865c

### Application Data

- All switches are Underwriters' Laboratories listed and suitable for use as Service Entrance Equipment when neutral is provided or grounding kit is employed.
- All Heavy Duty Safety Switches, when used with Class R or J fuses, are rated for 100,000 amps RMS available.

### 240, 480, 600 VOLTS Ac, 250, 600 VOLTS Dc, FUSIBLE<sup>⑦</sup> AND NON-FUSIBLE NEMA 1, 3R, 4 AND 12 ENCLOSURES Fusible,<sup>⑦</sup> 600 Volts Ac

| POLES                                                                                                    | AMPS | NEMA 1 <sup>③</sup><br>INDOOR<br>CAT. NO.                             | NEMA 3R<br>RAINPROOF<br>CAT. NO.                                      | NEMA 4<br>STLS. STEEL<br>CAT. NO.                                     | NEMA 12 <sup>④⑤</sup><br>CAT. NO.                                     | HORSEPOWER RATING |         |      |      | VOLTS Dc |      |
|----------------------------------------------------------------------------------------------------------|------|-----------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------|---------|------|------|----------|------|
|                                                                                                          |      |                                                                       |                                                                       |                                                                       |                                                                       | Ac STD.           | MAXIMUM | 480V | 600V | 250V     | 600V |
| 3-Pole<br>4-Wire SN<br> | 30   | Order 3 Pole switches from page 10 and select neutral kit from page 9 | Order 3 Pole switches from page 10 and select neutral kit from page 9 | Order 3 Pole switches from page 10 and select neutral kit from page 9 | Order 3 Pole switches from page 10 and select neutral kit from page 9 | 5                 | 7 1/2   | 15   | 20   | ...      | ...  |
|                                                                                                          | 60   |                                                                       |                                                                       |                                                                       |                                                                       | 15                | 15      | 30   | 50   | ...      | ...  |
|                                                                                                          | 100  |                                                                       |                                                                       |                                                                       |                                                                       | 25                | 30      | 60   | 75   | ...      | ...  |
|                                                                                                          | 200  |                                                                       |                                                                       |                                                                       |                                                                       | 50                | 60      | 125  | 150  | ...      | ...  |
|                                                                                                          | 400  |                                                                       |                                                                       |                                                                       |                                                                       | 100               | 125     | 250  | 350  | ...      | ...  |
|                                                                                                          | 600  |                                                                       |                                                                       |                                                                       |                                                                       | 150               | 200     | 400  | 500  | ...      | ...  |

#### Fusible, 600 Volts Ac

| 4-Pole<br>4-Wire<br> | AMPS | NEMA 1 <sup>③</sup><br>INDOOR<br>CAT. NO.                      | NEMA 3R<br>RAINPROOF<br>CAT. NO. | NEMA 4<br>STLS. STEEL<br>CAT. NO. | NEMA 12 <sup>④⑤</sup><br>CAT. NO. | 480V | 600V | 480V | 600V |     |     |
|---------------------------------------------------------------------------------------------------------|------|----------------------------------------------------------------|----------------------------------|-----------------------------------|-----------------------------------|------|------|------|------|-----|-----|
|                                                                                                         |      |                                                                |                                  |                                   |                                   | 2d   | 2d   | 3d   | 3d   |     |     |
|                                                                                                         | 30   | HFN-461<br>HFN-462<br>HFN-463<br>HFN-464<br>HFN-465<br>HFN-466 | ...                              | ...                               | ...                               | ...  | 25   | 15   | 20   | ... | ... |
|                                                                                                         | 60   |                                                                |                                  |                                   |                                   | ...  | 50   | 30   | 50   | ... | ... |
|                                                                                                         | 100  |                                                                |                                  |                                   |                                   | ...  | 50   | 60   | 75   | ... | ... |
|                                                                                                         | 200  |                                                                |                                  |                                   |                                   | ...  | ...  | 125  | 150  | ... | ... |
|                                                                                                         | 400  |                                                                |                                  |                                   |                                   | ...  | ...  | 250  | 350  | ... | ... |
|                                                                                                         | 600  |                                                                |                                  |                                   |                                   | ...  | ...  | 400  | 500  | ... | ... |

#### Non-Fusible, 240 Volts Ac

| 2-Pole<br>2-Wire<br> | AMPS | NEMA 1 <sup>③</sup><br>INDOOR<br>CAT. NO. | NEMA 3R<br>RAINPROOF<br>CAT. NO. | NEMA 4<br>STLS. STEEL<br>CAT. NO. | NEMA 12 <sup>④⑤</sup><br>CAT. NO. | 480V | 600V | 480V | 600V |     |     |
|---------------------------------------------------------------------------------------------------------|------|-------------------------------------------|----------------------------------|-----------------------------------|-----------------------------------|------|------|------|------|-----|-----|
|                                                                                                         |      |                                           |                                  |                                   |                                   | 2d   | 2d   | 2d   | 2d   |     |     |
|                                                                                                         | 30   | Use 3 Pole below                          | Use 3 Pole below                 | Use 3 Pole below                  | Use 3 Pole below                  | ...  | ...  | ...  | ...  | ... | ... |
|                                                                                                         | 60   |                                           |                                  |                                   |                                   | ...  | ...  | ...  | ...  | ... | ... |
|                                                                                                         | 100  |                                           |                                  |                                   |                                   | ...  | ...  | ...  | ...  | ... | ... |
|                                                                                                         | 200  |                                           |                                  |                                   |                                   | ...  | ...  | ...  | ...  | ... | ... |

#### Non-Fusible, 240 Volts, Ac

| 3-Pole<br>3-Wire<br> | AMPS | NEMA 1 <sup>③</sup><br>INDOOR<br>CAT. NO.                      | NEMA 3R<br>RAINPROOF<br>CAT. NO.                                     | NEMA 4<br>STLS. STEEL<br>CAT. NO.                                    | NEMA 12 <sup>④⑤</sup><br>CAT. NO.                                    | 240V | 240V  | 480V | 600V |     |     |
|---------------------------------------------------------------------------------------------------------|------|----------------------------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------------|------|-------|------|------|-----|-----|
|                                                                                                         |      |                                                                |                                                                      |                                                                      |                                                                      | 1d   | 1d    | 1d   | 1d   |     |     |
|                                                                                                         | 30   | HUN-321<br>HUN-322<br>HUN-323<br>HUN-324<br>HUN-325<br>HUN-326 | RHUN-321<br>RHUN-322<br>RHUN-323<br>RHUN-324<br>RHUN-325<br>RHUN-326 | WHUN-321<br>WHUN-322<br>WHUN-323<br>WHUN-324<br>WHUN-325<br>WHUN-326 | JHUN-321<br>JHUN-322<br>JHUN-323<br>JHUN-324<br>JHUN-325<br>JHUN-326 | 3    | 7 1/2 | ...  | ...  | ... | ... |
|                                                                                                         | 60   |                                                                |                                                                      |                                                                      |                                                                      | 10   | 15    | ...  | ...  | ... | ... |
|                                                                                                         | 100  |                                                                |                                                                      |                                                                      |                                                                      | 15   | 30    | ...  | ...  | ... | ... |
|                                                                                                         | 200  |                                                                |                                                                      |                                                                      |                                                                      | ...  | 60    | ...  | ...  | ... | ... |
|                                                                                                         | 400  |                                                                |                                                                      |                                                                      |                                                                      | ...  | 100   | ...  | ...  | ... | ... |
|                                                                                                         | 600  |                                                                |                                                                      |                                                                      |                                                                      | ...  | 200   | ...  | ...  | ... | ... |

#### Non-Fusible, 600 Volts Ac, 600 Volts Dc

| 2-Pole<br>2-Wire<br> | AMPS | NEMA 1 <sup>③</sup><br>INDOOR<br>CAT. NO.                                            | NEMA 3R<br>RAINPROOF<br>CAT. NO.                                                             | NEMA 4<br>STLS. STEEL<br>CAT. NO.                                    | NEMA 12 <sup>④⑤</sup><br>CAT. NO.                                    | 240V | 240V | 480V  | 600V |     |     |
|---------------------------------------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------------|------|------|-------|------|-----|-----|
|                                                                                                         |      |                                                                                      |                                                                                              |                                                                      |                                                                      | 1d   | 1d   | 1d    | 1d   |     |     |
|                                                                                                         | 30   | HUN-261<br>HUN-262<br>HUN-263<br>HUN-264<br>HUN-265<br>HUN-266<br>HUN-267<br>HUN-268 | RHUN-261<br>RHUN-262<br>RHUN-263<br>RHUN-264<br>RHUN-265<br>RHUN-266<br>RHUN-267<br>RHUN-268 | WHUN-261<br>WHUN-262<br>WHUN-263<br>WHUN-264<br>WHUN-265<br>WHUN-266 | JHUN-261<br>JHUN-262<br>JHUN-263<br>JHUN-264<br>JHUN-265<br>JHUN-266 | ...  | ...  | 7 1/2 | 10   | ... | 15  |
|                                                                                                         | 60   |                                                                                      |                                                                                              |                                                                      |                                                                      | ...  | ...  | 20    | 25   | ... | 30  |
|                                                                                                         | 100  |                                                                                      |                                                                                              |                                                                      |                                                                      | ...  | ...  | 30    | 40   | ... | 50  |
|                                                                                                         | 200  |                                                                                      |                                                                                              |                                                                      |                                                                      | ...  | ...  | 50    | 50   | ... | 50  |
|                                                                                                         | 400  |                                                                                      |                                                                                              |                                                                      |                                                                      | ...  | ...  | ...   | ...  | ... | ... |
|                                                                                                         | 600  |                                                                                      |                                                                                              |                                                                      |                                                                      | ...  | ...  | ...   | ...  | ... | ... |

#### Non-Fusible, 600 Volts Ac

| 3-Pole<br>3-Wire<br> | AMPS | NEMA 1 <sup>③</sup><br>INDOOR<br>CAT. NO.                                            | NEMA 3R<br>RAINPROOF<br>CAT. NO.                                                             | NEMA 4<br>STLS. STEEL<br>CAT. NO.                                    | NEMA 12 <sup>④⑤</sup><br>CAT. NO.                                    | 240V | 240V | 480V | 600V |     |     |
|---------------------------------------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------|----------------------------------------------------------------------|------|------|------|------|-----|-----|
|                                                                                                         |      |                                                                                      |                                                                                              |                                                                      |                                                                      | 1d   | 1d   | 3d   | 3d   |     |     |
|                                                                                                         | 30   | HUN-361<br>HUN-362<br>HUN-363<br>HUN-364<br>HUN-365<br>HUN-366<br>HUN-367<br>HUN-368 | RHUN-361<br>RHUN-362<br>RHUN-363<br>RHUN-364<br>RHUN-365<br>RHUN-366<br>RHUN-367<br>RHUN-368 | WHUN-361<br>WHUN-362<br>WHUN-363<br>WHUN-364<br>WHUN-365<br>WHUN-366 | JHUN-361<br>JHUN-362<br>JHUN-363<br>JHUN-364<br>JHUN-365<br>JHUN-366 | ...  | ...  | 15   | 20   | ... | ... |
|                                                                                                         | 60   |                                                                                      |                                                                                              |                                                                      |                                                                      | ...  | ...  | 30   | 50   | ... | ... |
|                                                                                                         | 100  |                                                                                      |                                                                                              |                                                                      |                                                                      | ...  | ...  | 60   | 75   | ... | ... |
|                                                                                                         | 200  |                                                                                      |                                                                                              |                                                                      |                                                                      | ...  | ...  | 125  | 150  | ... | ... |
|                                                                                                         | 400  |                                                                                      |                                                                                              |                                                                      |                                                                      | ...  | ...  | 250  | 350  | ... | 50  |
|                                                                                                         | 600  |                                                                                      |                                                                                              |                                                                      |                                                                      | ...  | ...  | 400  | 500  | ... | ... |

#### Non-Fusible, 600 Volts Ac, 250 Volts Dc

| 4-Pole<br>4-Wire<br> | AMPS | NEMA 1 <sup>③</sup><br>INDOOR<br>CAT. NO.                      | NEMA 3R<br>RAINPROOF<br>CAT. NO. | NEMA 4<br>STLS. STEEL<br>CAT. NO. | NEMA 12 <sup>④⑤</sup><br>CAT. NO. | 240V | 600V | 480V | 600V |     |     |
|---------------------------------------------------------------------------------------------------------|------|----------------------------------------------------------------|----------------------------------|-----------------------------------|-----------------------------------|------|------|------|------|-----|-----|
|                                                                                                         |      |                                                                |                                  |                                   |                                   | 2d   | 2d   | 3d   | 3d   |     |     |
|                                                                                                         | 30   | HUN-461<br>HUN-462<br>HUN-463<br>HUN-464<br>HUN-465<br>HUN-466 | ...                              | ...                               | ...                               | 10   | 25   | 20   | 30   | ... | 5   |
|                                                                                                         | 60   |                                                                |                                  |                                   |                                   | 20   | 50   | 50   | 60   | ... | 10  |
|                                                                                                         | 100  |                                                                |                                  |                                   |                                   | 30   | 50   | 60   | 75   | ... | 20  |
|                                                                                                         | 200  |                                                                |                                  |                                   |                                   | 50   | 50   | 125  | 150  | ... | ... |
|                                                                                                         | 400  |                                                                |                                  |                                   |                                   | ...  | ...  | 250  | 350  | ... | ... |
|                                                                                                         | 600  |                                                                |                                  |                                   |                                   | ...  | ...  | 400  | 500  | ... | ... |

<sup>①</sup> For neutral kits refer to page 9.<sup>②</sup> 30-600 amp switches are available with provision for Class J fuses. To order, add suffix J to catalog number.<sup>③</sup> 800 and 1200 ampere switches have provision for Class L fuses (1 fuse per pole).<sup>④</sup> NEMA 12 (30 to 200 Amp.) enclosures are available with knockouts. To order, add suffix D to catalog number.

For new NEC terminal data see page 9.

For price information see Bryant Price List BPL 30-125

<sup>⑤</sup> Switches are available with provision for tang terminals. To order, add suffix A to catalog number.<sup>⑥</sup> Ac rated only.<sup>⑦</sup> For Class R fuse kits, refer to page 14.<sup>⑧</sup> These are 2-phase ratings.

## Heavy Duty Safety Switches

### Dimensional Data

#### NEMA 1 INDOOR

For 60 through 1200 Ampere Switches

For 30 Ampere Switches

① 250 Volt units only

| POLES                                        | AMPS | DIMENSIONS - INCHES |          |          |          | CONDUIT SIZES, INCHES               |
|----------------------------------------------|------|---------------------|----------|----------|----------|-------------------------------------|
|                                              |      | A                   | B        | C        | D        |                                     |
| <b>250/600 Volt HFN Fusible Switches</b>     |      |                     |          |          |          |                                     |
| 2, 3 ①                                       | 30   | 9 9/32              | 7 1/2    | 4 13/32  | 6 27/32  | 1/2, 3/4, 1                         |
| 2, 3                                         | 30   | 18 15/16            | 9        | 5 17/32  | 9 7/8    | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2 |
| 2, 3 ①                                       | 60   | 16 7/16             | 9        | 5 17/32  | 9 7/8    | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2 |
| 2, 3                                         | 60   | 18 15/16            | 9        | 5 17/32  | 9 7/8    | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2 |
| 2, 3                                         | 100  | 28 7/16             | 10 13/16 | 7 7/16   | 12 1/16  | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2        |
| 2, 3                                         | 200  | 37 5/8              | 13 13/16 | 8 21/32  | 13 13/32 | 1/2, 3/4, 1 1/4, 1 1/2, 2, 2 1/2, 3 |
| 2, 3                                         | 400  | 59 15/32            | 23 5/32  | 12 11/32 | 15 21/32 | 3 1/2, 4                            |
| 2, 3                                         | 600  | 66 1/8              | 23 5/32  | 12 11/32 | 15 21/32 | 3 1/2, 4                            |
| 2, 3                                         | 800  | 65 31/32            | 39 11/16 | 12 1/4   | 15 25/32 |                                     |
| 2, 3                                         | 1200 | 73 5/32             | 42 11/16 | 12 1/4   | 15 25/32 |                                     |
| <b>250/600 Volt HUN Non-Fusible Switches</b> |      |                     |          |          |          |                                     |
| 2, 3 ①                                       | 30   | 9 9/32              | 7 1/2    | 4 13/32  | 6 27/32  | 1/2, 3/4, 1                         |
| 2, 3                                         | 30   | 16 7/16             | 9        | 5 17/32  | 9 7/8    | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2 |
| 2, 3                                         | 60   | 16 7/16             | 9        | 5 17/32  | 9 7/8    | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2 |
| 2, 3                                         | 100  | 28 7/16             | 10 13/16 | 7 7/16   | 12 1/16  | 1/2, 3/4, 1 1/4, 1 1/2, 2           |
| 2, 3                                         | 200  | 37 5/8              | 13 13/16 | 8 21/32  | 13 13/32 | 1/2, 3/4, 1 1/2, 2, 2 1/2, 3        |
| 2, 3                                         | 400  | 50 1/8              | 23 5/32  | 12 11/32 | 15 21/32 | 3 1/2, 4                            |
| 2, 3                                         | 600  | 54 5/8              | 23 5/32  | 12 11/32 | 15 21/32 | 3 1/2, 4                            |
| 2, 3                                         | 800  | 60                  | 39 11/16 | 12 1/4   | 15 25/32 |                                     |
| 2, 3                                         | 1200 | 64 29/32            | 42 11/16 | 12 1/4   | 15 25/32 |                                     |

#### NEMA 3R RAINPROOF

For 60 through 1200 Ampere Switches

For 30 Ampere Switches

| POLES                                  | AMPS | DIMENSIONS - INCHES              |                                  |                                 |                                  | CONDUIT SIZES, INCHES        | HUB SIZES INCHES        |
|----------------------------------------|------|----------------------------------|----------------------------------|---------------------------------|----------------------------------|------------------------------|-------------------------|
|                                        |      | A                                | B                                | C                               | D                                |                              |                         |
| 250/600 Volt RHFN Fusible Switches     |      |                                  |                                  |                                 |                                  |                              |                         |
| 2, 3 ①                                 | 30   | 10 <sup>3</sup> / <sub>16</sub>  | 7 <sup>7</sup> / <sub>16</sub>   | 4 <sup>13</sup> / <sub>16</sub> | 7 <sup>5</sup> / <sub>32</sub>   | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 | 3/4, 1, 1 1/4, 1 1/2, 2 |
| 2, 3                                   | 30   | 18 <sup>15</sup> / <sub>16</sub> | 8 <sup>7</sup> / <sub>8</sub>    | 5 <sup>17</sup> / <sub>32</sub> | 9 <sup>3</sup> / <sub>8</sub>    | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 | 3/4, 1, 1 1/4, 1 1/2, 2 |
| 2, 3                                   | 60   | 18 <sup>15</sup> / <sub>16</sub> | 8 <sup>7</sup> / <sub>8</sub>    | 5 <sup>17</sup> / <sub>32</sub> | 9 <sup>3</sup> / <sub>8</sub>    | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 | 3/4, 1, 1 1/4, 1 1/2, 2 |
| 2, 3                                   | 100  | 28 <sup>7</sup> / <sub>16</sub>  | 10 <sup>13</sup> / <sub>16</sub> | 7 <sup>7</sup> / <sub>16</sub>  | 10 <sup>3</sup> / <sub>4</sub>   | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 | 3/4, 1, 1 1/4, 1 1/2, 2 |
| 2, 3                                   | 200  | 37 <sup>5</sup> / <sub>8</sub>   | 13 <sup>13</sup> / <sub>16</sub> | 8 <sup>21</sup> / <sub>32</sub> | 13 <sup>1</sup> / <sub>2</sub>   | 1/2, 3/4, 1 1/2, 2, 2 1/2, 3 | 2, 2 1/2, 3             |
| 2, 3                                   | 400  | 59 <sup>15</sup> / <sub>32</sub> | 23 <sup>5</sup> / <sub>32</sub>  | 12 <sup>3</sup> / <sub>8</sub>  | 15 <sup>21</sup> / <sub>32</sub> |                              |                         |
| 2, 3                                   | 600  | 66 <sup>1</sup> / <sub>8</sub>   | 23 <sup>5</sup> / <sub>32</sub>  | 12 <sup>3</sup> / <sub>8</sub>  | 15 <sup>21</sup> / <sub>32</sub> |                              |                         |
| 2, 3                                   | 800  | 65 <sup>31</sup> / <sub>32</sub> | 39 <sup>11</sup> / <sub>16</sub> | 12 <sup>3</sup> / <sub>8</sub>  | 15 <sup>25</sup> / <sub>32</sub> |                              |                         |
| 2, 3                                   | 1200 | 75 <sup>5</sup> / <sub>32</sub>  | 42 <sup>11</sup> / <sub>16</sub> | 12 <sup>3</sup> / <sub>8</sub>  | 15 <sup>25</sup> / <sub>32</sub> |                              |                         |
| 250/600 Volt RHUN Non-Fusible Switches |      |                                  |                                  |                                 |                                  |                              |                         |
| 2, 3 ①                                 | 30   | 10 <sup>3</sup> / <sub>16</sub>  | 7 <sup>7</sup> / <sub>16</sub>   | 4 <sup>13</sup> / <sub>16</sub> | 7 <sup>5</sup> / <sub>32</sub>   | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 | 3/4, 1, 1 1/4, 1 1/2, 2 |
| 2, 3                                   | 30   | 18 <sup>15</sup> / <sub>16</sub> | 8 <sup>7</sup> / <sub>8</sub>    | 5 <sup>17</sup> / <sub>32</sub> | 9 <sup>3</sup> / <sub>8</sub>    | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 | 3/4, 1, 1 1/4, 1 1/2, 2 |
| 2, 3                                   | 60   | 18 <sup>15</sup> / <sub>16</sub> | 8 <sup>7</sup> / <sub>8</sub>    | 5 <sup>17</sup> / <sub>32</sub> | 9 <sup>3</sup> / <sub>8</sub>    | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 | 3/4, 1, 1 1/4, 1 1/2, 2 |
| 2, 3                                   | 100  | 28 <sup>7</sup> / <sub>16</sub>  | 10 <sup>13</sup> / <sub>16</sub> | 7 <sup>7</sup> / <sub>16</sub>  | 10 <sup>3</sup> / <sub>4</sub>   | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 | 3/4, 1, 1 1/4, 1 1/2, 2 |
| 2, 3                                   | 200  | 37 <sup>5</sup> / <sub>8</sub>   | 13 <sup>13</sup> / <sub>16</sub> | 8 <sup>21</sup> / <sub>32</sub> | 13 <sup>1</sup> / <sub>2</sub>   | 1/2, 3/4, 1 1/2, 2, 2 1/2, 3 | 2, 2 1/2, 3             |
| 2, 3                                   | 400  | 50 <sup>1</sup> / <sub>8</sub>   | 23 <sup>5</sup> / <sub>32</sub>  | 12 <sup>3</sup> / <sub>8</sub>  | 15 <sup>21</sup> / <sub>32</sub> |                              |                         |
| 2, 3                                   | 600  | 54 <sup>5</sup> / <sub>8</sub>   | 23 <sup>5</sup> / <sub>32</sub>  | 12 <sup>3</sup> / <sub>8</sub>  | 15 <sup>21</sup> / <sub>32</sub> |                              |                         |
| 2, 3                                   | 800  | 60                               | 39 <sup>11</sup> / <sub>16</sub> | 12 <sup>3</sup> / <sub>8</sub>  | 15 <sup>25</sup> / <sub>32</sub> |                              |                         |
| 2, 3                                   | 1200 | 64 <sup>29</sup> / <sub>32</sub> | 42 <sup>11</sup> / <sub>16</sub> | 12 <sup>3</sup> / <sub>8</sub>  | 15 <sup>25</sup> / <sub>32</sub> |                              |                         |

① 250 Volt units only

#### NEMA 4 WATERTIGHT STAINLESS STEEL, NEMA 12 DUST-TIGHT & OIL-TIGHT INDUSTRIAL

For 30 through 200 Ampere Switches

For 30 Ampere, 250 Volts Switches

For 400 through 600 Ampere Switches

| POLES | AMPS | DIMENSIONS - INCHES |   |   |   |
|-------|------|---------------------|---|---|---|
|       |      | A                   | B | C | D |

250/600 Volt WHFN Fusible Switches

|        |     |          |          |          |         |
|--------|-----|----------|----------|----------|---------|
| 2, 3 ① | 30  | 10 11/16 | 7 7/16   | 4 21/32  | 6 15/16 |
| 2, 3   | 30  | 18 15/16 | 9 1/8    | 5 17/32  | 9 3/8   |
| 2, 3   | 60  | 18 15/16 | 9 1/8    | 5 17/32  | 9 3/8   |
| 2, 3   | 100 | 28 7/16  | 10 15/16 | 7 7/16   | 10 3/4  |
| 2, 3   | 200 | 37 5/8   | 13 15/16 | 8 21/32  | 13 1/2  |
| 2, 3   | 400 | 61 17/32 | 23 5/32  | 12 13/32 | 17 7/16 |
| 2, 3   | 600 | 68 3/16  | 23 5/32  | 12 13/32 | 17 7/16 |

250/600 Volt WHUN Non-Fusible Switches

|        |     |          |          |          |         |
|--------|-----|----------|----------|----------|---------|
| 2, 3 ① | 30  | 10 11/16 | 7 7/16   | 4 21/32  | 6 15/16 |
| 2, 3   | 30  | 18 15/16 | 9 1/8    | 5 17/32  | 9 3/8   |
| 2, 3   | 60  | 18 15/16 | 9 1/8    | 5 17/32  | 9 3/8   |
| 2, 3   | 100 | 28 7/16  | 10 15/16 | 7 7/16   | 10 3/4  |
| 2, 3   | 200 | 37 5/8   | 13 15/16 | 8 21/32  | 13 1/2  |
| 2, 3   | 400 | 52 3/16  | 23 5/32  | 12 13/32 | 17 7/16 |
| 2, 3   | 600 | 56 11/16 | 23 5/32  | 12 13/32 | 17 7/16 |

250/600 Volt JHFN Fusible Switches

|        |     |          |          |          |         |
|--------|-----|----------|----------|----------|---------|
| 2, 3 ① | 30  | 13 11/16 | 7 19/32  | 4 21/32  | 6 15/16 |
| 2, 3   | 30  | 18 15/16 | 8 7/8    | 5 17/32  | 9 3/8   |
| 2, 3   | 60  | 18 15/16 | 8 7/8    | 5 17/32  | 9 3/8   |
| 2, 3   | 100 | 28 7/16  | 10 11/16 | 7 7/16   | 10 3/4  |
| 2, 3   | 200 | 37 5/8   | 13 11/16 | 8 21/32  | 13 1/2  |
| 2, 3   | 400 | 61 17/32 | 23 5/32  | 12 13/32 | 17 7/16 |
| 2, 3   | 600 | 68 3/16  | 23 5/32  | 12 13/32 | 17 7/16 |

250/600 Volt JHUN Non-Fusible Switches

|        |     |          |          |          |         |
|--------|-----|----------|----------|----------|---------|
| 2, 3 ① | 30  | 13 11/16 | 7 19/32  | 4 21/32  | 6 15/16 |
| 2, 3   | 30  | 18 15/16 | 8 7/8    | 5 17/32  | 9 3/8   |
| 2, 3   | 60  | 18 15/16 | 8 7/8    | 5 17/32  | 9 3/8   |
| 2, 3   | 100 | 28 7/16  | 10 11/16 | 7 7/16   | 10 3/4  |
| 2, 3   | 200 | 37 5/8   | 13 11/16 | 8 21/32  | 13 1/2  |
| 2, 3   | 400 | 52 3/16  | 23 5/32  | 12 13/32 | 17 7/16 |
| 2, 3   | 600 | 56 11/16 | 23 5/32  | 12 13/32 | 17 7/16 |

① 250 Volt units only

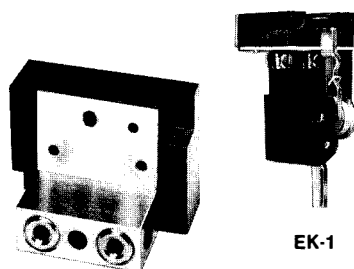
All products in this catalog meet the new wire bending space requirements as identified in 1981 NEC Section 373-6 (b).

August, 1985



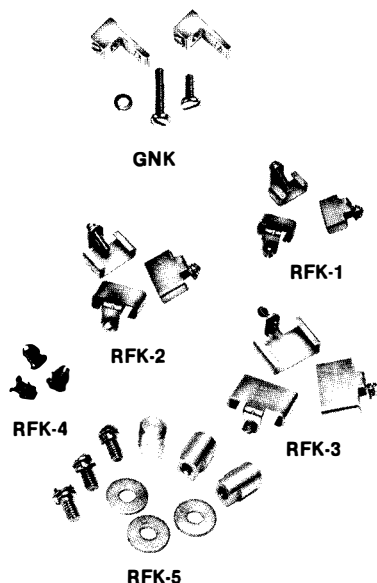
## General and Heavy Duty Safety Switches Modifications and Accessories

### TERMINAL DATA FOR SWITCHES THAT COMPLY WITH 1981 NEC SECT. 373-6 (b)

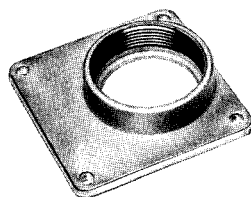


NK-400

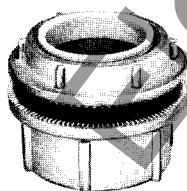
EK-1



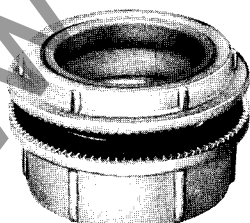
RFK-5



R1H-200



ST-4



ST-6

#### PLUG — GENERAL DUTY

| AMPS | No. of wires | MIN. WIRE SIZE | MAX. WIRE SIZE | TYPE  |
|------|--------------|----------------|----------------|-------|
| 30   | 1            | #14            | #8             | Cu    |
| 60   | 1            | #14            | #3             | Cu/Al |
| 100  | 1            | #14            | 1/0            | Cu/Al |
| 200  | 1            | #4             | 250 MCM        | Cu/Al |
| 400  | 1            | 250 MCM        | 750 MCM        | Cu    |
| or   | 2            | 3/0            | 300 MCM        | Cu    |
| 600  | 2            | 1/0            | 750 MCM        | Cu/Al |

#### HEAVY DUTY

| AMPS | No. of wires | MIN. WIRE SIZE | MAX. WIRE SIZE | TYPE  |
|------|--------------|----------------|----------------|-------|
| 30①  | 1            | #14            | #8             | Cu/Al |
| 30②  | 1            | #14            | #3             | Cu/Al |
| 60   | 1            | #14            | #3             | Cu/Al |
| 100  | 1            | #14            | 1/0            | Cu/Al |
| 200  | 1            | #6             | 250 MCM        | Cu/Al |
| 400  | 1            | 250 MCM        | 750 MCM        | Cu    |
| or   | 2            | 3/0            | 300 MCM        | Cu    |
| 600  | 2            | 1/0            | 750 MCM        | Cu/Al |
| 800  | 3            | 1/0            | 750 MCM        | Cu/Al |
| 1200 | 4            | 1/0            | 750 MCM        | Cu/Al |

#### DOUBLE THROW

| AMPS | No. of wires | MIN. WIRE SIZE | MAX. WIRE SIZE | TYPE  |
|------|--------------|----------------|----------------|-------|
| 30   | 1            | #14            | #6             | Cu    |
| 60③  | 1            | #14            | #4             | Cu/Al |
| 100④ | 1            | #12            | 1/0            | Cu/Al |
| 100⑤ | 1            | #12            | 1/0            | Cu    |
| 200  | 1            | #12            | 1/0            | Cu/Al |
| or   | 2            | #6             | 300 MCM        | Cu/Al |
| 600  | 2            | 1/0            | 750 MCM        | Cu/Al |
|      |              |                | 350 MCM        | Cu    |

### ELECTRICAL INTERLOCK KITS

| DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                              | AMPS                                                                                                                                                                               | CAT. NO.                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| Electrical interlock kits are available for H-600 type heavy duty safety switches. The kit contains a contact block having 1 NO and 1 NC contact rated 10 amps resistive and 6 amps inductive, mounted on a steel bracket with a control arm. The control arm is actuated by the switch mechanism and breaks the control circuit before the safety switch opens. Not available for motor circuit switch. | 30 Amps, 250 Volts⑦<br>30, 60 Amps, 600 Volts,<br>60 Amps, 250 Volts⑦<br>All 100 and 200 Amp<br>Switches⑦<br>All 400 and 600 Amp<br>Switches⑦<br>All 800 thru 1200 Amp<br>Switches | EK-1⑧<br>EK-2<br>EK-3<br>EK-5<br>EK-4⑦⑧ |

### NEUTRAL KITS

FIELD INSTALLED IN NON-FUSIBLE AND FUSIBLE HEAVY DUTY SWITCHES

| AMPS | CATALOG NUMBER |                |
|------|----------------|----------------|
|      | NEMA1          | NEMA 3R, 4, 12 |
| 30   | NK30⑨          | NK30⑨          |
| 60   | NK60           | NK60           |
| 100  | NK100          | NK100          |
| 200  | NK200          | NK200          |
| 400  | NK400          | NK400          |
| 600  | NK600          | NK600          |
| 800  | NK800          | NK800          |
| 1200 | NK1200         | NK1200         |

### GROUNDING KITS

| CATALOG NUMBER | MAX. RATING |
|----------------|-------------|
| GNK-6          | 60A         |
| GNK-20         | 200A        |
| GNK-60         | 600A        |

### CLASS R FUSE CLIP KITS ⑤⑦

| DESCRIPTION                                                                                                                            | AMPS                                                                                      | CAT. NO                                   |
|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------|
| For use with heavy duty safety switches only. Kit will reject all fuses except class R. Only one kit required for a three pole switch. | 30A, 250V<br>30A, 600V/60A, 250V<br>60A, 600V<br>100/200A, 250/600V<br>400/600A, 250/600V | RFK-1<br>RFK-2<br>RFK-3<br>RFK-4<br>RFK-5 |

### INTERCHANGEABLE RAINPROOF HUBS

| DESCRIPTION                                                                                                                                                                                                                        | HUB DIA. INCHES | SWITCH SIZE      | CAT. NO.                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------|------------------------------------------|
| All rainproof switches except 400 and 600 amperes are shipped with cutout covered by a plate. Figure 1 shows a hub mounted in position. Hubs smaller than 2" can be used on 200 ampere switches by ordering an adapter plate R1HA. | 3/4             | 30 thru 100 Amps | R0H-075<br>R0H-100<br>R0H-125<br>R0H-150 |
|                                                                                                                                                                                                                                    | 1               |                  | R0H-200                                  |
|                                                                                                                                                                                                                                    | 1 1/4           |                  | R1H-200                                  |
|                                                                                                                                                                                                                                    | 1 1/2           |                  | R1H-250                                  |
|                                                                                                                                                                                                                                    | 2               |                  | R1H-300                                  |
|                                                                                                                                                                                                                                    | 2 1/2           |                  | R1HA                                     |
|                                                                                                                                                                                                                                    | 3               | Adapter Plate    |                                          |

### MYERS-TYPE HUBS

| DESCRIPTION                                                                                                                                                                             | HUB DIA. INCHES | ZINC CAT. NO. | CHROME CAT. NO. |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------------|-----------------|
| All 400 and 600 ampere rainproof switches are shipped with plain tops, no cutouts. Order zinc or chrome Myers-type hubs from the table below; hubs are shipped separately.              | 1/2             | ST-1          | CST-1           |
|                                                                                                                                                                                         | 3/4             | ST-2          | CST-2           |
|                                                                                                                                                                                         | 1               | ST-3          | CST-3           |
|                                                                                                                                                                                         | 1 1/4           | ST-4          | CST-4           |
|                                                                                                                                                                                         | 1 1/2           | ST-5          | CST-5           |
|                                                                                                                                                                                         | 2               | ST-6          | CST-6           |
| Rainproof switches 30 through 200 amperes with plain tops for use with Myers-type hubs, are available in minimum ordering quantities of 100 units. (Mixed 30, 60, 100 and 200 amperes.) | 2 1/2           | ST-7          | CST-7           |
|                                                                                                                                                                                         | 3               | ST-8          | CST-8           |
|                                                                                                                                                                                         | 3 1/2           | ST-9          | CST-9           |
|                                                                                                                                                                                         | 4               | ST-10         | CST-10          |
|                                                                                                                                                                                         |                 |               |                 |

① 250V Switch

② 600V Switch

③ NEMA 1

④ NEMA 3R

⑤ For factory installation add suffix R to catalog number to specify.

⑥ Cannot be installed when conduit entrance is at top right.

⑦ Except four blade, four pole and double throw switches.

⑧ This unit is only factory mounted.

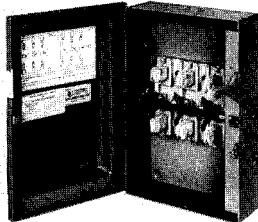
⑨ For 250V application only. Use NK60 for 600V.



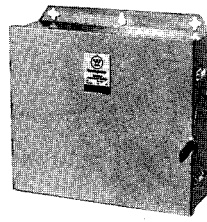
## Double Throw Switches Motor Circuit Switches



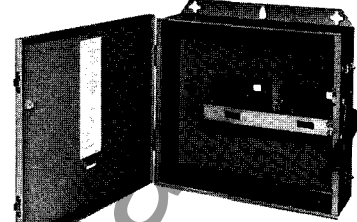
XUN-321



XUN-321



SDSN6030



SDSN6030

### Features-Specifications DOUBLE THROW SWITCHES

- Cover interlock (through 600A prevents door from opening when switch is energized)
- Positive-make, quick-break operating mechanism
- Handle may be padlocked in top ON, neutral, or bottom ON positions
- All switches except 600 Amps are UL Listed

### Application Data

- Double throw switches are designed for use as transfer switches when load is supplied from two sources. Switch opens one circuit and closes another simultaneously, or isolates both circuits.

### Features-Specifications MOTOR CIRCUIT SWITCHES

- Insulated shield prevents accidental contact with line terminals
- Blades visible in open or closed position
- Cover interlock prevents cover from opening when switch is energized. Interlock release permits cover to be opened for switch inspection.
- Trunk-type latches keep cover tightly closed; provides an effective dust-resisting seal.
- Over-center quick-make, quick-break switching mechanism prevents teasing of contacts
- Large wiring gutters facilitate wiring and provide easy access to terminals
- Handle can be padlocked in OFF position by up to three padlocks
- Cover can be padlocked in closed position
- Neoprene gasket seals out moisture and dust from switch assembly
- 6 Pole switches are listed under UL E-5189

### Application Data

- Designed to meet the demands of heavy industry for a compact, non-fusible switch with visible contact disconnect.

## DOUBLE THROW NEMA1, 3R, 250, 600 V.A.C. FUSIBLE AND NON-FUSIBLE

Fusible, 240 Volts Ac

| POLES                | AMPS             | CAT. NO.                         |                                  | SHIP WT. LBS. |
|----------------------|------------------|----------------------------------|----------------------------------|---------------|
|                      |                  | NEMA 1                           | NEMA 3R                          |               |
| 2-Pole<br>2-Wire<br> | 30               | Order 3 Pole 3 Wire Switch Below | Order 3 Pole 3 Wire Switch Below | 18            |
|                      | 60               |                                  |                                  | 24            |
|                      | 100              |                                  |                                  | 61            |
|                      | 200              |                                  |                                  | 125           |
| 3-Pole<br>3-Wire<br> | 30               | XFN-321                          | RXFN-322                         | 20            |
|                      | 60               | XFN-322                          | RXFN-323                         | 31            |
|                      | 100              | XFN-323                          | RXFN-324                         | 85            |
|                      | 200              | XFN-324                          |                                  | 160           |
|                      | 400              | XFN-325                          |                                  | 250           |
|                      | 600 <sup>①</sup> | XFN-326                          |                                  | 310           |

Fusible, 600 Volts Ac

| POLES                | AMPS | CAT. NO. |         | SHIP WT. LBS. |
|----------------------|------|----------|---------|---------------|
|                      |      | NEMA 1   | NEMA 3R |               |
| 3-Pole<br>3-Wire<br> | 30   | XFN-361  |         | 53            |
|                      | 60   | XFN-362  |         | 54            |
|                      | 100  | XFN-363  |         | 87            |
|                      | 200  | XFN-364  |         | 170           |
|                      | 400  | XFN-365  |         | 260           |

Non-Fusible, 240 Volts Ac

|                      |                  |                                   |  |     |
|----------------------|------------------|-----------------------------------|--|-----|
| 2-Pole<br>2-Wire<br> | 30               | Order 3 Pole, 3 Wire Switch Below |  | 15  |
|                      | 60               |                                   |  | 21  |
|                      | 100              |                                   |  | 27  |
|                      | 200              |                                   |  | 84  |
| 3-Pole<br>3-Wire<br> | 30               | XUN-321                           |  | 17  |
|                      | 60               | XUN-322                           |  | 20  |
|                      | 100              | XUN-323                           |  | 39  |
|                      | 200              | XUN-324                           |  | 106 |
|                      | 400              | XUN-325                           |  | 163 |
|                      | 600 <sup>①</sup> | XUN-326                           |  | 224 |
| 4-Pole<br>4-Wire<br> | 60               | XUN-422                           |  | 32  |
|                      | 100              | XUN-423                           |  | 46  |
|                      | 200              | XUN-424                           |  | 127 |

<sup>①</sup> Ac rating only.

## MOTOR CIRCUIT SWITCHES

6 Pole Non-Fused Complete

| AMPS | CATALOG NUMBER |          |          |
|------|----------------|----------|----------|
|      | NEMA 1         | NEMA 3R  | NEMA 12  |
| 30   | SDSN6030       | RDSN6030 | JDSN6030 |
| 60   | SDSN6060       | RDSN6060 | JDSN6060 |
| 100  | SDSN6100       | RDSN6100 | JDSN6100 |
| 200  | SDSN6200       | RDSN6200 | JDSN6200 |

| TERMINALS ARE SUITABLE FOR EITHER COPPER OR ALUMINUM CABLE |            |            |
|------------------------------------------------------------|------------|------------|
| SWITCH RATING                                              | WIRE RANGE |            |
|                                                            | COPPER     | ALUMINUM   |
| 30                                                         | #14-#2     | #12-#2     |
| 60                                                         | #14-#2     | #12-#2     |
| 100                                                        | #14-1/0    | #12-1/0    |
| 200                                                        | #4-300 MCM | #4-300 MCM |

## ELECTRICAL INTERLOCK KIT Double Throw Switches

| CAT. NO. | DESCRIPTION    |
|----------|----------------|
| XLK111   | Universal Type |

Non-Fusible, 600 Volts Ac

|                      |                  |                                   |          |     |
|----------------------|------------------|-----------------------------------|----------|-----|
| 2-Pole<br>2-Wire<br> | 60               | Order 3 Pole, 3 Wire Switch Below |          | 22  |
|                      | 100              |                                   |          | 39  |
|                      | 200              |                                   |          | 100 |
|                      | 400              |                                   |          | 135 |
| 3-Pole<br>3-Wire<br> | 60               | XUN-362                           | RXUN-362 | 31  |
|                      | 100              | XUN-363                           | RXUN-363 | 50  |
|                      | 200              | XUN-364                           | RXUN-364 | 110 |
|                      | 400              | XUN-365                           | RXUN-365 | 191 |
|                      | 600 <sup>①</sup> | XUN-366                           | RXUN-366 | 256 |
| 4-Pole<br>4-Wire<br> | 60               | XUN-462                           |          | 33  |
|                      | 100              | XUN-463                           |          | 46  |

| MAXIMUM H.P. RATINGS 600 VAC 250 VDC |         |         |         |         |         |
|--------------------------------------|---------|---------|---------|---------|---------|
| AMPS                                 | 120 VAC | 240 VAC | 480 VAC | 600 VAC | 250 VDC |
| 30                                   | 5       | 10      | 20      | 25      | 7 1/2   |
| 60                                   | 10      | 20      | 40      | 60      | 15      |
| 100                                  | 15      | 30      | 75      | 75      | 25      |
| 200                                  |         | 60      | 100     | 100     | 40      |

### Accessories Aux. Switch Kits\*

| AMP RATING SWITCH USED WITH | CONTACT ARRANGEMENT | KIT STYLE NO. |
|-----------------------------|---------------------|---------------|
| 30, 60, 100                 | 1A, 1B              | 178C265G05    |
| 200                         | 1A, 1B              | 178C619G01    |
| 200                         | 2A's, 2B's          | 178C619G02    |

\*Permits field mounting of an auxiliary switch for separate control circuit applications. Each switch includes three soldered, identified leads.

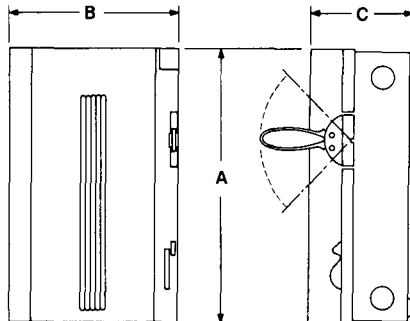
## NEUTRAL KITS

| AMPS | CAT. NO. |
|------|----------|
| 200  | XNK-2    |
| 400  | XNK-4    |
| 600  | XNK-6    |



## Double Throw Switches Motor Circuit Switches Dimensional Data

### NEMA 1 INDOOR DOUBLE THROW SWITCHES



For 30 through 600 Ampere Switches

#### Fusible Switches

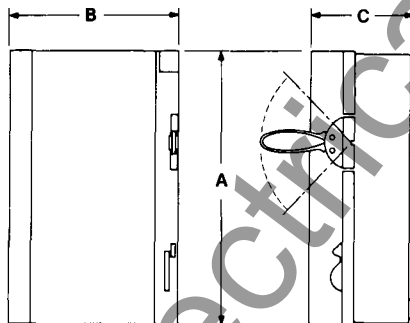
| CAT. NO. | DIMENSIONS – INCHES              |                                  |                                 | CONDUIT<br>SIZES, INCHES                                                  |
|----------|----------------------------------|----------------------------------|---------------------------------|---------------------------------------------------------------------------|
|          | A                                | B                                | C                               |                                                                           |
| XFN-321  | 15 <sup>1</sup> / <sub>8</sub>   | 10 <sup>1</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>4</sub>   | 1/2, 3/4, 1, 1 <sup>1</sup> / <sub>4</sub>                                |
| XFN-322  | 22 <sup>5</sup> / <sub>8</sub>   | 12 <sup>1</sup> / <sub>2</sub>   | 6 <sup>1</sup> / <sub>2</sub>   | 3/4, 1, 1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub> , 2 |
| XFN-323  | 34 <sup>5</sup> / <sub>32</sub>  | 13 <sup>1</sup> / <sub>2</sub>   | 6 <sup>1</sup> / <sub>2</sub>   | 1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub> , 2         |
| XFN-324  | 51 <sup>3</sup> / <sub>64</sub>  | 17 <sup>3</sup> / <sub>32</sub>  | 10 <sup>3</sup> / <sub>32</sub> | 1 <sup>1</sup> / <sub>2</sub> , 2, 2 <sup>1</sup> / <sub>2</sub>          |
| XFN-325  | 65 <sup>19</sup> / <sub>64</sub> | 20 <sup>9</sup> / <sub>32</sub>  | 11 <sup>5</sup> / <sub>32</sub> | 2 <sup>1</sup> / <sub>2</sub> , 3                                         |
| XFN-326  | 70 <sup>19</sup> / <sub>64</sub> | 22 <sup>5</sup> / <sub>32</sub>  | 13 <sup>5</sup> / <sub>32</sub> | 3, 3 <sup>1</sup> / <sub>2</sub>                                          |
| XFN-361  | 34 <sup>5</sup> / <sub>32</sub>  | 13 <sup>1</sup> / <sub>2</sub>   | 6 <sup>1</sup> / <sub>2</sub>   | 1/2, 3/4, 1, 1 <sup>1</sup> / <sub>4</sub>                                |
| XFN-362  | 34 <sup>5</sup> / <sub>32</sub>  | 13 <sup>1</sup> / <sub>2</sub>   | 6 <sup>1</sup> / <sub>2</sub>   | 3/4, 1, 1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub> , 2 |
| XFN-363  | 38 <sup>5</sup> / <sub>32</sub>  | 14 <sup>15</sup> / <sub>32</sub> | 6 <sup>13</sup> / <sub>16</sub> | 1 <sup>1</sup> / <sub>2</sub> , 2                                         |
| XFN-364  | 51 <sup>3</sup> / <sub>64</sub>  | 17 <sup>5</sup> / <sub>32</sub>  | 10 <sup>3</sup> / <sub>32</sub> | 2, 2 <sup>1</sup> / <sub>2</sub> , 1 <sup>1</sup> / <sub>2</sub>          |
| XFN-365  | 65 <sup>19</sup> / <sub>64</sub> | 20 <sup>9</sup> / <sub>32</sub>  | 11 <sup>5</sup> / <sub>32</sub> | 2 <sup>1</sup> / <sub>2</sub> , 3                                         |

Not to be used for construction purposes unless approved.

#### Non-Fusible Switches

| CAT. NO. | DIMENSIONS – INCHES              |                                  |                                 | CONDUIT<br>SIZES, INCHES                                                  |
|----------|----------------------------------|----------------------------------|---------------------------------|---------------------------------------------------------------------------|
|          | A                                | B                                | C                               |                                                                           |
| XUN-321  | 15 <sup>1</sup> / <sub>8</sub>   | 10 <sup>1</sup> / <sub>4</sub>   | 3 <sup>3</sup> / <sub>4</sub>   | 1/2, 3/4, 1, 1 <sup>1</sup> / <sub>4</sub>                                |
| XUN-322  | 22 <sup>5</sup> / <sub>8</sub>   | 12 <sup>1</sup> / <sub>2</sub>   | 6 <sup>1</sup> / <sub>2</sub>   | 3/4, 1, 1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub> , 2 |
| XUN-323  | 21 <sup>1</sup> / <sub>8</sub>   | 13 <sup>1</sup> / <sub>2</sub>   | 6 <sup>1</sup> / <sub>2</sub>   | 1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub> , 2         |
| XUN-324  | 31 <sup>5</sup> / <sub>64</sub>  | 17 <sup>3</sup> / <sub>32</sub>  | 10 <sup>3</sup> / <sub>32</sub> | 1 <sup>1</sup> / <sub>2</sub> , 2, 2 <sup>1</sup> / <sub>2</sub>          |
| XUN-325  | 41 <sup>19</sup> / <sub>64</sub> | 20 <sup>9</sup> / <sub>32</sub>  | 11 <sup>5</sup> / <sub>32</sub> | 2 <sup>1</sup> / <sub>2</sub> , 3                                         |
| XUN-326  | 49 <sup>19</sup> / <sub>64</sub> | 22 <sup>5</sup> / <sub>32</sub>  | 13 <sup>5</sup> / <sub>32</sub> | 3, 3 <sup>1</sup> / <sub>2</sub>                                          |
| XUN-422  | 21 <sup>1</sup> / <sub>8</sub>   | 17 <sup>5</sup> / <sub>32</sub>  | 6 <sup>1</sup> / <sub>2</sub>   | 3/4, 1, 1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub> , 2 |
| XUN-423  | 21 <sup>1</sup> / <sub>8</sub>   | 17 <sup>5</sup> / <sub>32</sub>  | 6 <sup>1</sup> / <sub>2</sub>   | 1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub> , 2         |
| XUN-424  | 31 <sup>5</sup> / <sub>64</sub>  | 21 <sup>13</sup> / <sub>32</sub> | 10 <sup>3</sup> / <sub>32</sub> | 1 <sup>1</sup> / <sub>2</sub> , 2, 2 <sup>1</sup> / <sub>2</sub>          |
| XUN-262  | 22 <sup>5</sup> / <sub>8</sub>   | 12 <sup>1</sup> / <sub>2</sub>   | 6 <sup>1</sup> / <sub>2</sub>   | 3/4, 1, 1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub> , 2 |
| XUN-263  | 21 <sup>1</sup> / <sub>8</sub>   | 13 <sup>1</sup> / <sub>2</sub>   | 6 <sup>1</sup> / <sub>2</sub>   | 1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub> , 2         |
| XUN-264  | 31 <sup>5</sup> / <sub>64</sub>  | 17 <sup>3</sup> / <sub>32</sub>  | 10 <sup>3</sup> / <sub>32</sub> | 1 <sup>1</sup> / <sub>2</sub> , 2, 2 <sup>1</sup> / <sub>2</sub>          |
| XUN-265  | 41 <sup>19</sup> / <sub>64</sub> | 20 <sup>9</sup> / <sub>32</sub>  | 11 <sup>5</sup> / <sub>32</sub> | 2 <sup>1</sup> / <sub>2</sub> , 3                                         |
| XUN-266  | 49 <sup>19</sup> / <sub>64</sub> | 22 <sup>5</sup> / <sub>32</sub>  | 13 <sup>5</sup> / <sub>32</sub> | 3, 3 <sup>1</sup> / <sub>2</sub>                                          |
| XUN-362  | 22 <sup>5</sup> / <sub>8</sub>   | 12 <sup>1</sup> / <sub>2</sub>   | 6 <sup>1</sup> / <sub>2</sub>   | 3/4, 1, 1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub> , 2 |
| XUN-363  | 21 <sup>1</sup> / <sub>8</sub>   | 13 <sup>1</sup> / <sub>2</sub>   | 6 <sup>1</sup> / <sub>2</sub>   | 1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub> , 2         |
| XUN-364  | 31 <sup>5</sup> / <sub>64</sub>  | 17 <sup>3</sup> / <sub>32</sub>  | 10 <sup>3</sup> / <sub>32</sub> | 1 <sup>1</sup> / <sub>2</sub> , 2, 2 <sup>1</sup> / <sub>2</sub>          |
| XUN-365  | 41 <sup>19</sup> / <sub>64</sub> | 20 <sup>9</sup> / <sub>32</sub>  | 11 <sup>5</sup> / <sub>32</sub> | 2 <sup>1</sup> / <sub>2</sub> , 3                                         |
| XUN-366  | 49 <sup>19</sup> / <sub>64</sub> | 22 <sup>5</sup> / <sub>32</sub>  | 13 <sup>5</sup> / <sub>32</sub> | 3, 3 <sup>1</sup> / <sub>2</sub>                                          |
| XUN-462  | 21 <sup>5</sup> / <sub>32</sub>  | 17 <sup>5</sup> / <sub>32</sub>  | 6 <sup>1</sup> / <sub>2</sub>   | 3/4, 1, 1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub> , 2 |
| XUN-463  | 21 <sup>5</sup> / <sub>32</sub>  | 17 <sup>5</sup> / <sub>32</sub>  | 6 <sup>1</sup> / <sub>2</sub>   | 1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub> , 2         |

### NEMA 3R, OUTDOOR DOUBLE THROW SWITCHES



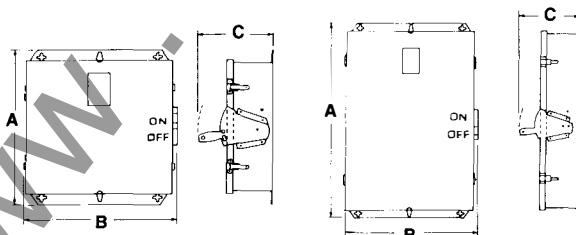
#### Fusible Switches

| CAT. NO. | DIMENSIONS – INCHES              |                                  |                                 | CONDUIT<br>SIZES, INCHES                                                  |
|----------|----------------------------------|----------------------------------|---------------------------------|---------------------------------------------------------------------------|
|          | A                                | B                                | C                               |                                                                           |
| RXFN-322 | 23                               | 14 <sup>15</sup> / <sub>16</sub> | 7                               | 3/4, 1, 1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub> , 2 |
| RXFN-323 | 34 <sup>1</sup> / <sub>2</sub>   | 14 <sup>15</sup> / <sub>16</sub> | 7                               | 1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub> , 2         |
| RXFN-324 | 43 <sup>27</sup> / <sub>64</sub> | 17 <sup>5</sup> / <sub>32</sub>  | 10 <sup>3</sup> / <sub>32</sub> | 1 <sup>1</sup> / <sub>2</sub> , 2, 2 <sup>1</sup> / <sub>2</sub>          |

#### Non-Fusible Switches

|          |                                  |                                  |                                 |                                                                           |
|----------|----------------------------------|----------------------------------|---------------------------------|---------------------------------------------------------------------------|
| RXUN-362 | 15 <sup>1</sup> / <sub>2</sub>   | 14 <sup>15</sup> / <sub>16</sub> | 7                               | 3/4, 1, 1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub> , 2 |
| RXUN-363 | 21 <sup>1</sup> / <sub>2</sub>   | 14 <sup>15</sup> / <sub>16</sub> | 7                               | 1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub> , 2         |
| RXUN-364 | 31 <sup>5</sup> / <sub>64</sub>  | 17 <sup>5</sup> / <sub>32</sub>  | 10 <sup>3</sup> / <sub>32</sub> | 1 <sup>1</sup> / <sub>2</sub> , 2, 2 <sup>1</sup> / <sub>2</sub>          |
| RXUN-365 | 41 <sup>19</sup> / <sub>64</sub> | 20 <sup>9</sup> / <sub>32</sub>  | 11 <sup>5</sup> / <sub>32</sub> | 2 <sup>1</sup> / <sub>2</sub> , 3                                         |
| RXUN-366 | 49 <sup>19</sup> / <sub>64</sub> | 22 <sup>5</sup> / <sub>32</sub>  | 13 <sup>5</sup> / <sub>32</sub> | 3, 3 <sup>1</sup> / <sub>6</sub>                                          |

### MOTOR CIRCUIT SWITCHES



6 Pole Units – 30, 60, 100 AMPERES

6 Pole Units – 200 AMPERES

#### 6 Pole Units – 30, 60, 100 AMPERES

| ENCLOSURE<br>TYPE | DIMENSIONS – INCHES AND MM     |     |                                |     |                                 |     |
|-------------------|--------------------------------|-----|--------------------------------|-----|---------------------------------|-----|
|                   | A                              |     | B                              |     | C                               |     |
|                   | IN.                            | MM  | IN.                            | MM  | IN.                             | MM  |
| NEMA 1            | 18 <sup>3</sup> / <sub>4</sub> | 476 | 18 <sup>1</sup> / <sub>2</sub> | 470 | 8 <sup>15</sup> / <sub>16</sub> | 227 |
| NEMA 3R           | 18 <sup>3</sup> / <sub>4</sub> | 476 | 18 <sup>1</sup> / <sub>2</sub> | 470 | 8 <sup>15</sup> / <sub>16</sub> | 227 |
| NEMA 12           | 18 <sup>3</sup> / <sub>4</sub> | 476 | 18 <sup>1</sup> / <sub>2</sub> | 470 | 8 <sup>15</sup> / <sub>16</sub> | 227 |

#### 6 Pole Units – 200 AMPERES

|         |                                 |     |                                 |     |                               |     |
|---------|---------------------------------|-----|---------------------------------|-----|-------------------------------|-----|
| NEMA 1  | 31 <sup>7</sup> / <sub>16</sub> | 799 | 21 <sup>7</sup> / <sub>16</sub> | 545 | 9 <sup>3</sup> / <sub>4</sub> | 248 |
| NEMA 3R | 31 <sup>7</sup> / <sub>16</sub> | 799 | 21 <sup>7</sup> / <sub>16</sub> | 545 | 9 <sup>3</sup> / <sub>4</sub> | 248 |
| NEMA 12 | 31 <sup>7</sup> / <sub>16</sub> | 799 | 21 <sup>7</sup> / <sub>16</sub> | 545 | 9 <sup>3</sup> / <sub>4</sub> | 248 |





**Westinghouse Electric Corporation**  
Distribution and Control Business Unit  
Standard Distribution Products Division  
Pittsburgh, Pennsylvania, U.S.A. 15220

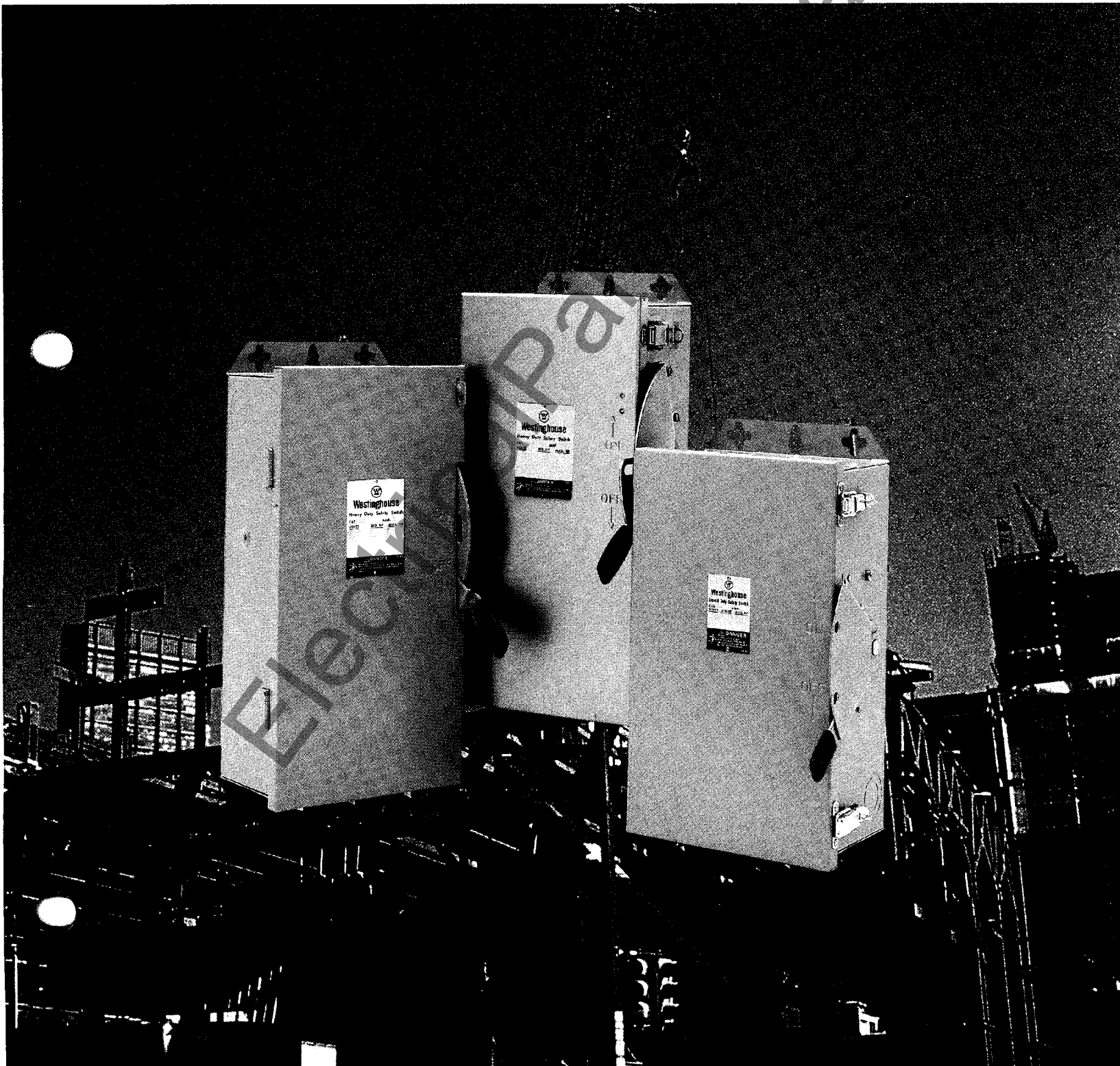
Catalog  
**30-150**

Page 1

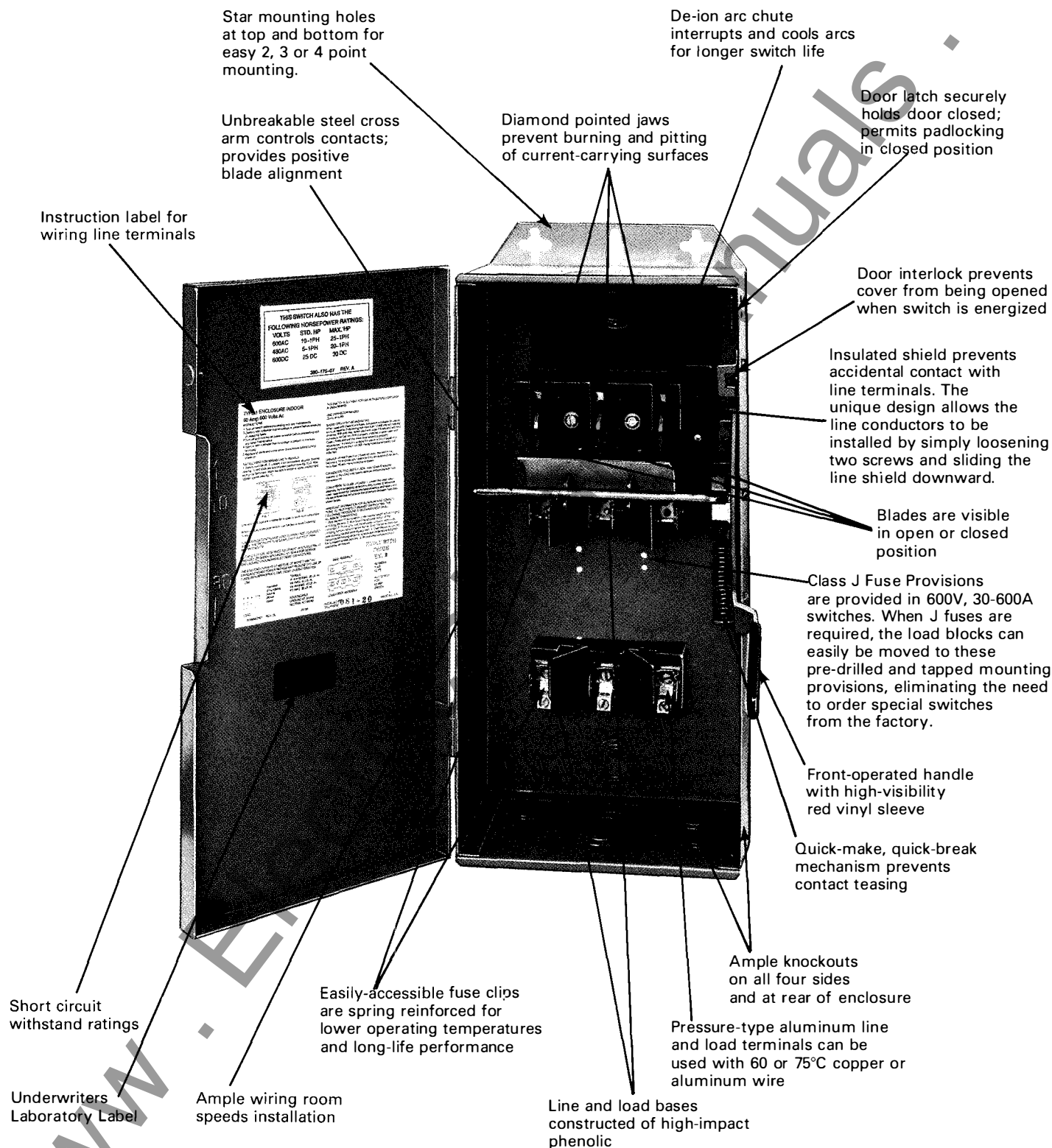
October 1991  
Supersedes Catalog 30-150, pages 1-12,  
dated March, 1989  
For standard terms of sale,  
refer to Selling Policy 25-000  
Mailed to: E, D, C/30-100A

## Safety Switches

- General Duty
- Heavy Duty
- Double Throw
- Motor Circuit Switches



## Heavy Duty Safety Switches Features





## Heavy Duty Safety Switches Features



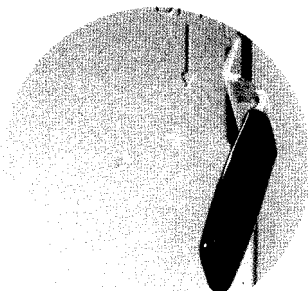
### Rating Identification:

Embossed nameplate enhances appearance and permanently identifies Westinghouse name, catalog numbers, volts ampere and horsepower ratings. No need to open door to obtain data



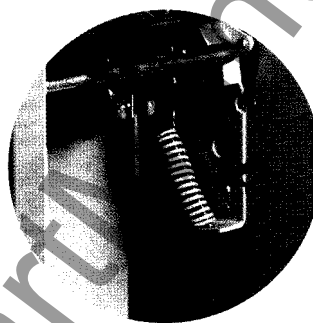
### Dual Purpose Interlock:

Prevents switch from being thrown ON with cover open; prevents cover from being opened unless switch is OFF. Authorized personnel can bypass both conditions by rotating the interlock lock defeater screw located above the handle.



### Durable Finish:

Entire enclosure is bonderized inside and out and coated with baked on enamel for maximum durability and resistance to rust. Scratches cannot spread even though they extend through to the bare metal. All outdoor enclosures are fabricated from galvanized steel.



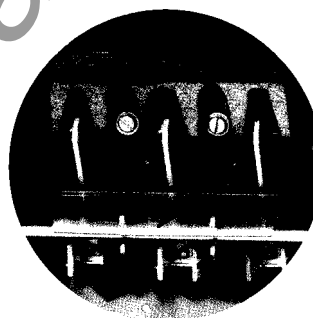
### Teaseproof Switch Mechanism:

Over-center design with positive drive spring action maximizes strength of quick-make, quick-break switch mechanism. Prevents contact teasing. The mechanism also provides a direct mechanical drive for "fail safe" operation in the unlikely event of spring failure.



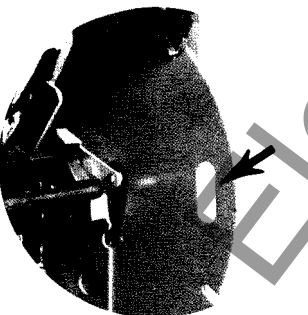
### Front Operated Handle:

An integral part of switch mechanism, the easily accessible handle permanently controls contacts, permits close ganging, does *not* disconnect when door is opened. Red vinyl sleeve provides high visibility; indicates handle position (down for OFF; up for ON). The handle is provided with a 1/2" Dia. hole for hook stick operation. The vinyl boot can either be drilled or removed when hook stick operation is required.



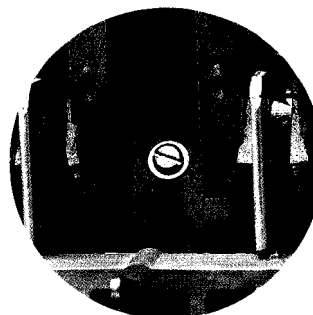
### Steel Cross Arm and Yokes:

Steel yokes in an impact-resistant glass polyester insulating block firmly engage steel cross-arm that drives the moving blades and provides positive blade alignment.



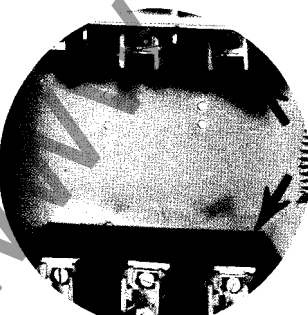
### Padlocking:

Operating handle can be padlocked in OFF position by three padlocks with 3/8" hasps. Prevents closing of contacts - an essential requirement for heavy-duty industrial applications. Handle can be padlocked in ON position by drilling hole in handle at position marked "X".



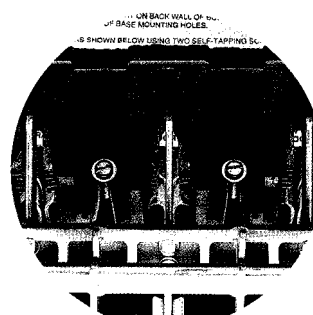
### Diamond-Pointed Break-Jaws:

Moving contacts extend beyond the break-jaws, permitting the breaking arc to travel along the outside non current-carrying edges of jaws and blades. Prevents burning and pitting of current-carrying surfaces.



### Removable Interior Parts:

All interior parts are easily removable from the front if replacement is necessary. (See Price List 30-190)



### De-Ion Arc Chute:

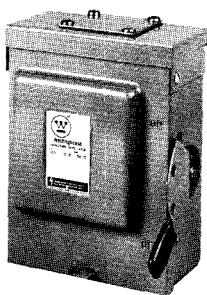
Prevents arc damage by interrupting and cooling hot arcs. Molded material of chute is carbonizing and track resistant. Prolongs switch life; allows maximum horsepower ratings permitted by UL.

## General Duty Safety Switches

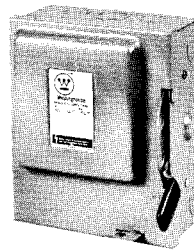
### Plug Fuse, Fusible and Non-Fusible



PF311N



RGFN321N



GFN321N



GFN422N

#### Features-Specifications

- Embossed metal nameplate permanently identifies cat. no., amps. hp ratings
- Front-operated handle permits close ganging. Handle is integral part of switching mechanism; provides permanent control of contacts; can be padlocked in OFF or ON position
- Red vinyl cover instantly identifies handle; indicates position
- Blades visible in open or closed position
- Twin reinforced blades provide maximum surface contact
- Quick-make, quick-break, tease-proof switching mechanism
- Diamond-pointed break jaws prolong blade life; keep silver-plated contact area free of pitting and burning
- Tin plated current carrying parts provide an excellent bearing surface for moving parts
- Easily accessible fuse holders suitable for standard and time delay fuses at maximum HP ratings
- Ample knockouts and wiring room
- Line and load terminals suitable for copper or aluminum wire
- Door latch securely holds door closed; permits padlocking
- Single cover interlock prevents door from opening when switch is energized on all but 30A outdoor switches. 60-600A switches are provided with a dual cover interlock which also prevents the switch from being turned on when the cover is open.
- Star mounting feet assure easy mounting
- UL Listed File E5189
- Meets NEMA Spec. KS1-1990
- Meets Federal Spec. WS-865c
  - Type LD-30A outdoor and plug fuse
  - Type ND-30-600A indoor and 60-600A outdoor
- Rated 100K Amp RMS. When used with Class R fuses. See Table page 5②

#### Application Data

- For use on commercial, residential and light industrial applications.
- All switches are Underwriters' Laboratories listed and suitable for use as Service Entrance Equipment when neutral is provided or grounding kit is employed.

For price information see Price List 30-125.  
For renewal parts data see Price List 30-190.

① The neutral is included when last digit is "N".

② Not approved for service entrance.

③ Drilled to accept field installed neutral kit

#### NEMA 1 Plug Fuse Indoor, NEMA 3R Plug Fuse Rainproof With Neutral, 120 Volts Ac (1 Blade, 1 Fuse)

| Fusible Systems     | Amps | NEMA 1 Indoor |                      |           | NEMA 3R Rainproof |                      |           | Horsepower Ratings |            |            |            |
|---------------------|------|---------------|----------------------|-----------|-------------------|----------------------|-----------|--------------------|------------|------------|------------|
|                     |      | Cat. No.      | Approx. Wt. Lbs. Ea. | Std. Pkg. | Cat. No.          | Approx. Wt. Lbs. Ea. | Std. Pkg. | 120 V Max.         | 240 V Std. | 120 V Max. | 240 V Std. |
| 1-Pole<br>2-Wire SN | 30   | PF211N        | 3                    | 10        | RPF211N           | 4                    | 5         | 2                  | ½          | ..         | ...        |

#### With Neutral, 120/240 Volts Ac (2 Blades, 2 Fuses)

|                     |    |        |   |    |         |   |   |   |   |   |    |
|---------------------|----|--------|---|----|---------|---|---|---|---|---|----|
| 2-Pole<br>3-Wire SN | 30 | PF311N | 3 | 10 | RPF311N | 4 | 5 | 2 | ½ | 3 | 1½ |
|---------------------|----|--------|---|----|---------|---|---|---|---|---|----|

#### Fusible, 240 Volts Ac — NEMA 1 and 3R Enclosures

| Poles                | Amps | NEMA 1 Indoor                                                          |                  |           | NEMA 3R Rainproof                                                       |                  |           | Horsepower Ratings 240 VAC |         |         |         |
|----------------------|------|------------------------------------------------------------------------|------------------|-----------|-------------------------------------------------------------------------|------------------|-----------|----------------------------|---------|---------|---------|
|                      |      | Cat. No.                                                               | Approx. Wt. Lbs. | Std. Pkg. | Cat. No.                                                                | Approx. Wt. Lbs. | Std. Pkg. | Ac 1Ø                      | Std. 3Ø | Max. 1Ø | Max. 3Ø |
| 2-Pole<br>2-Wire     | 30   | GFN221②<br>Use 3 Wire,<br>2 Pole Solid<br>Neutral<br>Listings<br>Below | 5                | 10        | RGFN221②<br>Use 3 Wire,<br>2 Pole Solid<br>Neutral<br>Listings<br>Below | 6                | 5         | 1½                         | ...     | 3       | ...     |
|                      | 60   |                                                                        |                  |           |                                                                         |                  |           |                            |         |         |         |
|                      | 100  |                                                                        |                  |           |                                                                         |                  |           |                            |         |         |         |
|                      | 200  |                                                                        |                  |           |                                                                         |                  |           |                            |         |         |         |
|                      | 400  |                                                                        |                  |           |                                                                         |                  |           |                            |         |         |         |
|                      | 600  |                                                                        |                  |           |                                                                         |                  |           |                            |         |         |         |
| 2-Pole<br>3-Wire SN① | 30   | GFN321N                                                                | 5                | 10        | RGFN321N                                                                | 6                | 5         | 1½                         | 3       | 3       | 7½      |
|                      | 60   | GFN322N                                                                | 12               | 1         | RGFN322N                                                                | 14               | 1         | 3                          | 7½      | 10      | 15      |
|                      | 100  | GFN323N                                                                | 27               | 1         | RGFN323N                                                                | 27               | 1         | 7½                         | 15      | 15      | 30      |
|                      | 200  | GFN324N                                                                | 40               | 1         | RGFN324N                                                                | 42               | 1         | 15                         | 25      | ..      | 50      |
|                      | 400  | GFN325N                                                                | 163              | 1         | RGFN325N                                                                | 163              | 1         | ..                         | 50      | ..      | 100     |
|                      | 600  | GFN326N                                                                | 173              | 1         | RGFN326N                                                                | 175              | 1         | ..                         | 75      | ..      | 100     |
| 3-Pole<br>3-Wire     | 30   | Use 4 Wire,<br>3 Pole Solid<br>Neutral<br>Listings<br>Below            |                  |           | Use 4 Wire,<br>3 Pole Solid<br>Neutral<br>Listings<br>Below             |                  |           |                            |         |         |         |
|                      | 60   |                                                                        |                  |           |                                                                         |                  |           |                            |         |         |         |
|                      | 100  |                                                                        |                  |           |                                                                         |                  |           |                            |         |         |         |
|                      | 200  |                                                                        |                  |           |                                                                         |                  |           |                            |         |         |         |
|                      | 400  |                                                                        |                  |           |                                                                         |                  |           |                            |         |         |         |
|                      | 600  |                                                                        |                  |           |                                                                         |                  |           |                            |         |         |         |
| 3-Pole<br>4-Wire SN① | 30   | GFN421N                                                                | 5                | 10        | RGFN421N                                                                | 6                | 5         | ...                        | 3       | ..      | 7½      |
|                      | 60   | GFN422N                                                                | 13               | 1         | RGFN422N                                                                | 15               | 1         | ...                        | 7½      | ..      | 15      |
|                      | 100  | GFN423N                                                                | 27               | 1         | RGFN423N                                                                | 27               | 1         | ...                        | 15      | ..      | 30      |
|                      | 200  | GFN424N                                                                | 42               | 1         | RGFN424N                                                                | 45               | 1         | ...                        | 25      | ..      | 50      |
|                      | 400  | GFN425N                                                                | 163              | 1         | RGFN425N                                                                | 163              | 1         | ...                        | 50      | ..      | 100     |
|                      | 600  | GFN426N                                                                | 173              | 1         | RGFN426N                                                                | 175              | 1         | ...                        | 75      | ..      | 100     |

#### Non-Fusible, 240 Volts Ac — NEMA 1 and 3R Enclosures

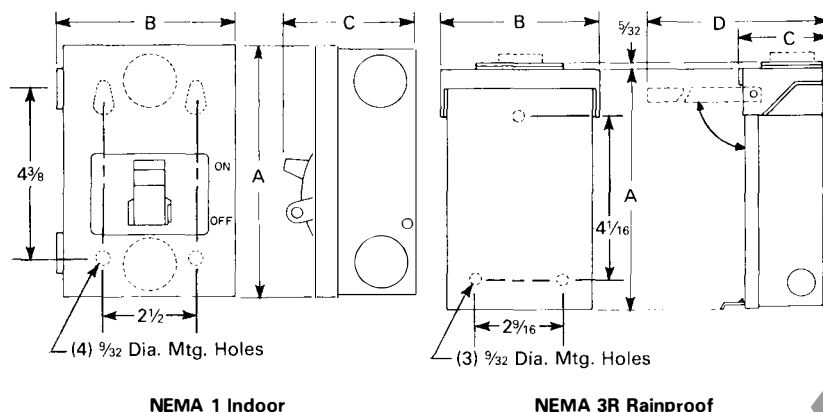
|                  |     |                                    |     |    |          |     |   |     |     |    |     |
|------------------|-----|------------------------------------|-----|----|----------|-----|---|-----|-----|----|-----|
| 2-Pole<br>2-Wire | 30  | Use<br>3 Pole<br>Listings<br>Below |     |    | RGUN221  | 6   | 5 | ... | ... | 3  | ... |
|                  | 60  |                                    |     |    | RGUN222  | 12  | 1 | ... | ... | 10 | ... |
|                  | 100 |                                    |     |    |          |     |   |     |     |    |     |
|                  | 200 |                                    |     |    |          |     |   |     |     |    |     |
|                  | 400 |                                    |     |    |          |     |   |     |     |    |     |
|                  | 600 |                                    |     |    |          |     |   |     |     |    |     |
| 3-Pole<br>3-Wire | 30  | GUN321                             | 5   | 10 | RGUN321  | 6   | 5 | ... | ... | .. | 7½  |
|                  | 60  | GUN322                             | 12  | 1  | RGUN322  | 13  | 1 | ... | ... | .. | 15  |
|                  | 100 | GUN323                             | 24  | 1  | RGUN323  | 27  | 1 | ... | ... | .. | 30  |
|                  | 200 | GUN324                             | 42  | 1  | RGUN324  | 45  | 1 | ... | ... | .. | 50  |
|                  | 400 | GUN325③                            | 136 | 1  | RGUN325③ | 136 | 1 | ... | ... | .. | 100 |
|                  | 600 | GUN326③                            | 146 | 1  | RGUN326③ | 148 | 1 | ... | ... | .. | 100 |



## General Duty Safety Switches

### Dimensional Data, NEMA 1, NEMA 3R

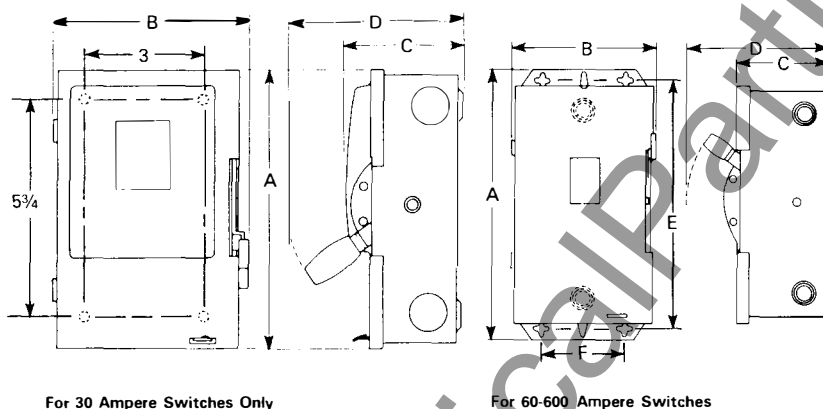
#### NEMA 1 Plug Fuse Indoor, NEMA 3R Fuse Rainproof



#### PF Plug Fuse Switches, RPF Plug Fuse Switches

| Poles | Amps          | Dimensions - Inches |         |       |        |
|-------|---------------|---------------------|---------|-------|--------|
|       |               | A                   | B       | C     | D      |
| 1, 2  | 30<br>NEMA 1  | 6 11/16             | 4 3/4   | 3 5/8 | 6 1/16 |
| 1, 2  | 30<br>NEMA 3R | 7 3/32              | 4 15/16 | 4     | 9 3/8  |

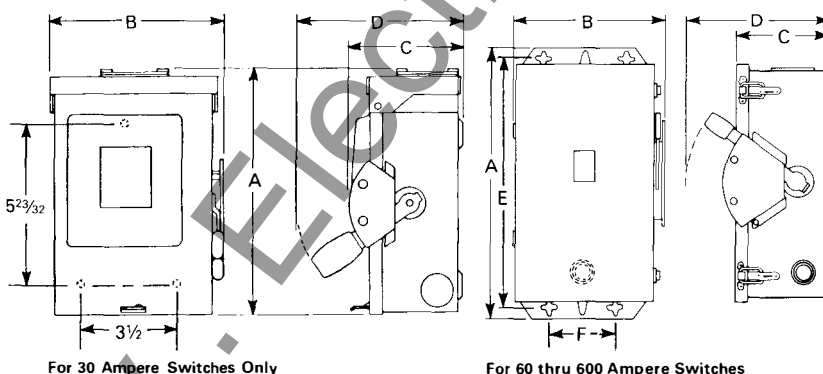
#### NEMA 1 General Duty Indoor



#### GFN Fusible Switches, GUN Non-Fusible Switches

| Poles | Amps                 | Dimensions - Inches |        |          |          |          |       |
|-------|----------------------|---------------------|--------|----------|----------|----------|-------|
|       |                      | A                   | B      | C        | D        | E        | F     |
| 2, 3  | 30                   | 7 13/16             | 7 1/32 | 4 1/16   | 5 15/16  | —        | —     |
| 2, 3  | 60                   | 16 1/2              | 8 3/4  | 5 5/8    | 8 7/8    | 15 1/8   | 5     |
| 2, 3  | 100                  | 22 15/16            | 10 7/8 | 7 1/2    | 12 7/16  | 21 3/16  | 6     |
| 2, 3  | 200                  | 31 7/32             | 13 3/8 | 8 21/32  | 13 21/32 | 29 15/32 | 8 3/8 |
| 2, 3  | Fus<br>400 & 600     | 56 3/32             | 23 1/2 | 12 11/32 | 17 3/4   | 46 29/32 | 17    |
| 2, 3  | Non-Fus<br>400 & 600 | 44 19/32            | 23 1/2 | 12 11/32 | 17 3/4   | 37 13/32 | 17    |

#### NEMA 3R General Duty Rainproof①



#### RGFN Fusible Switches, RGUN Non-Fusible Switches

| Poles | Amps                 | Dimensions - Inches |         |         |          |          |       |
|-------|----------------------|---------------------|---------|---------|----------|----------|-------|
|       |                      | A                   | B       | C       | D        | E        | F     |
| 2, 3  | 30                   | 9 11/32             | 7       | 4 1/8   | 6        | —        | —     |
| 2, 3  | 60                   | 16 7/16             | 9 7/32  | 5 5/8   | 8 1/2    | 15 1/8   | 5     |
| 2, 3  | 100                  | 22 15/16            | 11 1/8  | 7 1/16  | 12 7/16  | 21 7/32  | 6     |
| 2, 3  | 200                  | 31 3/32             | 14 3/16 | 8 21/32 | 13 21/32 | 29 17/32 | 8 3/8 |
| 2, 3  | Fus 400<br>& 600     | 56 1/8              | 23 1/2  | 12 3/8  | 17 3/4   | 46 29/32 | 17    |
| 2, 3  | Non-Fus<br>400 & 600 | 44 5/8              | 23 1/2  | 12 3/8  | 17 3/4   | 37 13/32 | 17    |

Note: Mounting hole dimensions for NEMA 1 and 3R Switches are as follows:

30 and 60A - 5/32" Dia.  
100 and 200A - 11/32" Dia.  
400 and 600A - 17/32" Dia.

External mounting flanges are not provided on 400 and 600A switches. These switches have (4) internal mounting holes.

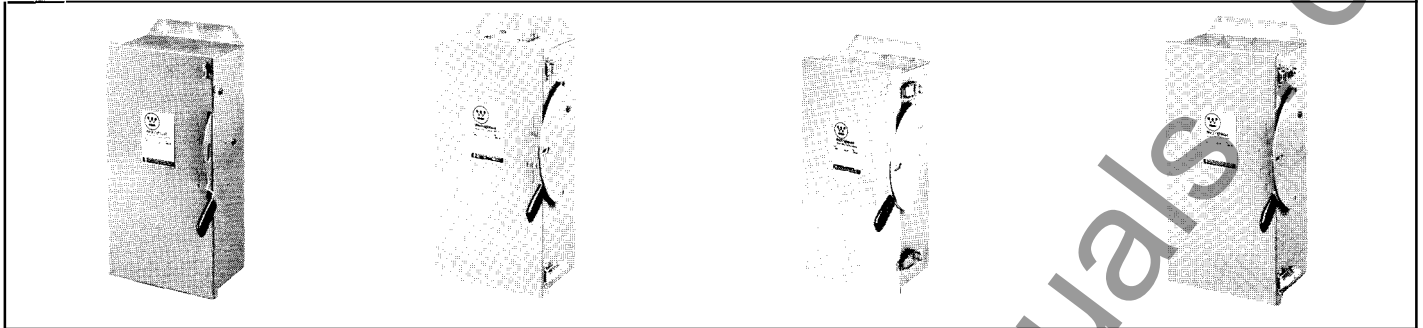
#### UL Listed Short-Circuit-Current Ratings General Duty Switches

| Switch Type | Ampere Rating | Short-Circuit Rating      |
|-------------|---------------|---------------------------|
| Plug-Fuse   | 30            | 10,000A                   |
| Fusible     | 30-600A       | 10,000A with H or K Fuses |
| Fusible     | 30-600A       | 100,000A with R Fuses     |
| Non-Fusible | 30-600A       | 10,000A withstand rating  |

① 30-200A outdoor switches have a provision for a rain-tight hub in the top end.

All products in this catalog meet the wire bending space requirements as identified in 1990 NEC Section 373-6 (b).

## Heavy Duty Safety Switches Fusible and Non-Fusible



### Features-Specifications

- Bonderized UL Listed organic finish resists rust
- Dual cover interlock prevents accidental operation; door cannot be opened when switch is ON; contacts cannot close with door open. Both functions are defeatable by authorized personnel
- Line terminal shield prevents accidental contact with line terminals
- De-ion arc chute interrupts and cools hot arcs; prevents arc damage
- Embossed metal nameplate permanently identifies catalog number, amperes and horsepower rating
- Front-operated handle permits close ganging. Handle is integral part of switching mechanism; provides permanent control of contacts; can be padlocked in OFF or ON position
- Red vinyl cover instantly identifies handle, indicates position (down for "OFF," up for "ON").
- Blades visible in open or closed position
- Quick-make, quick-break, tease-proof switching mechanism
- Diamond-pointed break jaws prolong blade life; keep contact area free of pitting and burning
- Tin-plated current-carrying parts have lubricated moving parts for ease of operation
- Easily accessible fuse holders suitable for standard, time delay and Type J fuses (Type J for 30-600A, 600V switches)
- Ample knockouts and wiring room
- Line and load terminals suitable for copper or aluminum wire

### 240 Volts Ac, 250 Volts Dc, Fusible<sup>①</sup> NEMA 1, 3R, 4/4X and 12 Enclosures

Fusible<sup>①</sup>, 240 Volts Ac or 250 Volts Dc

| Poles                                                                               | Amps                      | NEMA 1 <sup>②</sup><br>Indoor<br>Cat. No.                                                          | NEMA 3R <sup>②</sup><br>Rainproof<br>Cat. No.                                                      | NEMA 4/4X<br>Stls. Steel<br>Cat. No.                                                               | NEMA 12 <sup>③</sup><br>Cat. No.                                                                   | Horsepower Rating    |       |                      |       | 250<br>Volts<br>Dc |
|-------------------------------------------------------------------------------------|---------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------|-------|----------------------|-------|--------------------|
|                                                                                     |                           |                                                                                                    |                                                                                                    |                                                                                                    |                                                                                                    | 240 Volts            |       | Maximum <sup>⑦</sup> |       |                    |
|                                                                                     |                           |                                                                                                    |                                                                                                    |                                                                                                    |                                                                                                    | Ac Std. <sup>④</sup> |       | 1ø                   | 3ø    |                    |
|    | 30                        | HFN221                                                                                             | RHFN221                                                                                            | WHFN221                                                                                            | JHFN221                                                                                            | 1½                   | ...   | 3                    | ...   | 5                  |
|                                                                                     | 60                        | HFN222                                                                                             | RHFN222                                                                                            | WHFN222                                                                                            | JHFN222                                                                                            | 3                    | ...   | 10                   | ...   | 10                 |
|                                                                                     | 100                       | HFN223                                                                                             | RHFN223                                                                                            | WHFN223                                                                                            | JHFN223                                                                                            | 7½                   | ...   | 15                   | ...   | 20                 |
|                                                                                     | 200                       | HFN224                                                                                             | RHFN224                                                                                            | .....                                                                                              | JHFN224                                                                                            | 15                   | ...   | .....                | ..... | 40                 |
|                                                                                     | 400                       | HFN225                                                                                             | RHFN225                                                                                            | .....                                                                                              | .....                                                                                              | .....                | ..... | .....                | ..... | 50                 |
|                                                                                     | 600                       | HFN226                                                                                             | RHFN226                                                                                            | .....                                                                                              | .....                                                                                              | .....                | ..... | .....                | ..... | .....              |
|                                                                                     | 800 <sup>⑥</sup>          | Order 3 Pole switch below                                                                          |                                                                                                    |                                                                                                    |                                                                                                    | .....                | ..... | .....                | ..... | .....              |
| 1200 <sup>⑥</sup>                                                                   | Order 3 Pole switch below |                                                                                                    |                                                                                                    |                                                                                                    | .....                                                                                              | .....                | ..... | .....                | ..... |                    |
|   | 30                        | { Order 2 Pole<br>switch from<br>above<br>Select neutral<br>kit from<br>neutral table<br>on page 9 | { Order 2 Pole<br>switch from<br>above<br>Select neutral<br>kit from<br>neutral table<br>on page 9 | { Order 2 Pole<br>switch from<br>above<br>Select neutral<br>kit from<br>neutral table<br>on page 9 | { Order 2 Pole<br>switch from<br>above<br>Select neutral<br>kit from<br>neutral table<br>on page 9 | 1½                   | ...   | 3                    | ...   | 5                  |
|                                                                                     | 60                        |                                                                                                    |                                                                                                    |                                                                                                    |                                                                                                    | 3                    | ...   | 10                   | ...   | 10                 |
|                                                                                     | 100                       |                                                                                                    |                                                                                                    |                                                                                                    |                                                                                                    | 7½                   | ...   | 15                   | ...   | 20                 |
|                                                                                     | 200                       |                                                                                                    |                                                                                                    |                                                                                                    |                                                                                                    | 15                   | ...   | .....                | ..... | 40                 |
|                                                                                     | 400                       |                                                                                                    |                                                                                                    |                                                                                                    |                                                                                                    | .....                | ..... | .....                | ..... | .....              |
|                                                                                     | 600                       |                                                                                                    |                                                                                                    |                                                                                                    |                                                                                                    | .....                | ..... | .....                | ..... | .....              |
|                                                                                     | 800                       |                                                                                                    |                                                                                                    |                                                                                                    |                                                                                                    | .....                | ..... | .....                | ..... | .....              |
| 1200                                                                                | .....                     | .....                                                                                              | .....                                                                                              | .....                                                                                              | .....                                                                                              |                      |       |                      |       |                    |
| Fusible <sup>①</sup> , 240 Volts Ac                                                 |                           |                                                                                                    |                                                                                                    |                                                                                                    |                                                                                                    |                      |       |                      |       |                    |
|  | 30                        | HFN321                                                                                             | RHFN321                                                                                            | WHFN321                                                                                            | JHFN321                                                                                            | .....                | 3     | .....                | 7½    | .....              |
|                                                                                     | 60                        | HFN322                                                                                             | RHFN322                                                                                            | WHFN322                                                                                            | JHFN322                                                                                            | .....                | 7½    | .....                | 15    | .....              |
|                                                                                     | 100                       | HFN323                                                                                             | RHFN323                                                                                            | WHFN323                                                                                            | JHFN323                                                                                            | .....                | 15    | .....                | 30    | .....              |
|                                                                                     | 200                       | HFN324                                                                                             | RHFN324                                                                                            | WHFN324                                                                                            | JHFN324                                                                                            | .....                | 25    | .....                | 60    | .....              |
|                                                                                     | 400                       | HFN325                                                                                             | RHFN325                                                                                            | WHFN325                                                                                            | JHFN325                                                                                            | .....                | 50    | .....                | 125   | 50                 |
|                                                                                     | 600                       | HFN326                                                                                             | RHFN326                                                                                            | WHFN326                                                                                            | JHFN326                                                                                            | .....                | 75    | .....                | 200   | .....              |
|                                                                                     | 800 <sup>⑥</sup>          | HFN327                                                                                             | RHFN327                                                                                            | .....                                                                                              | .....                                                                                              | .....                | ..... | .....                | ..... | .....              |
| 1200 <sup>⑥</sup>                                                                   | HFN328                    | RHFN328                                                                                            | .....                                                                                              | .....                                                                                              | .....                                                                                              | .....                | ..... | .....                | ..... |                    |
|  | 30                        | { Order 3 Pole<br>switch from<br>above<br>Select neutral<br>kit from<br>neutral table<br>on page 9 | { Order 3 Pole<br>switch from<br>above<br>Select neutral<br>kit from<br>neutral table<br>on page 9 | { Order 3 Pole<br>switch from<br>above<br>Select neutral<br>kit from<br>neutral table<br>on page 9 | { Order 3 Pole<br>switch from<br>above<br>Select neutral<br>kit from<br>neutral table<br>on page 9 | .....                | 3     | .....                | 7½    | .....              |
|                                                                                     | 60                        |                                                                                                    |                                                                                                    |                                                                                                    |                                                                                                    | .....                | 7½    | .....                | 15    | .....              |
|                                                                                     | 100                       |                                                                                                    |                                                                                                    |                                                                                                    |                                                                                                    | .....                | 15    | .....                | 30    | .....              |
|                                                                                     | 200                       |                                                                                                    |                                                                                                    |                                                                                                    |                                                                                                    | .....                | 25    | .....                | 60    | .....              |
|                                                                                     | 400                       |                                                                                                    |                                                                                                    |                                                                                                    |                                                                                                    | .....                | 50    | .....                | 125   | 50                 |
|                                                                                     | 600                       |                                                                                                    |                                                                                                    |                                                                                                    |                                                                                                    | .....                | 75    | .....                | 200   | .....              |
|                                                                                     | 800                       |                                                                                                    |                                                                                                    |                                                                                                    |                                                                                                    | .....                | ..... | .....                | ..... | .....              |
| 1200                                                                                | .....                     | .....                                                                                              | .....                                                                                              | .....                                                                                              | .....                                                                                              |                      |       |                      |       |                    |
|  | 30                        | HFN421                                                                                             | .....                                                                                              | .....                                                                                              | JHFN421                                                                                            | .....                | 3     | .....                | 7½    | .....              |
|                                                                                     | 60                        | HFN422                                                                                             | .....                                                                                              | .....                                                                                              | JHFN422                                                                                            | .....                | 7½    | .....                | 15    | .....              |

### 600 Volts Ac, 600 Volts Dc, Fusible<sup>①</sup> NEMA 1, 3R, 4/4X and 12 Enclosures

Fusible<sup>①</sup>, 600 Volts Ac, 600 Volts Dc

| Poles                                                                                                   | Amps  | NEMA 1<br>Indoor<br>Cat. No. | NEMA 3R<br>Rainproof<br>Cat. No. | NEMA 4/4X<br>Stls. Steel<br>Cat. No. | NEMA 12<br>Cat. No. | Horsepower Rating |            |            |            | Volts<br>Dc |     |
|---------------------------------------------------------------------------------------------------------|-------|------------------------------|----------------------------------|--------------------------------------|---------------------|-------------------|------------|------------|------------|-------------|-----|
|                                                                                                         |       |                              |                                  |                                      |                     | Ac Std.⑥          |            | Maximum⑦   |            |             |     |
|                                                                                                         |       |                              |                                  |                                      |                     | 480V<br>1ø        | 600V<br>1ø | 480V<br>1ø | 600V<br>1ø | 250         | 600 |
| 2-Pole<br>2-Wire<br> | 30    | HFN261                       | RHFN261                          | WHFN261                              | JHFN261             | 3                 | 3          | 7½         | 10         | ...         | 10  |
|                                                                                                         | 60    | HFN262                       | RHFN262                          | WHFN262                              | JHFN262             | 5                 | 10         | 20         | 25         | ...         | 25  |
|                                                                                                         | 100   | HFN263                       | RHFN263                          | WHFN263                              | JHFN263             | 10                | 15         | 30         | 40         | ...         | 40  |
|                                                                                                         | 200   | HFN264                       | RHFN264                          | .....                                | .....               | 25                | 30         | 50         | 50         | ...         | 50  |
|                                                                                                         | 400   |                              |                                  |                                      |                     | ...               | ...        | ...        | ...        | ...         | ... |
|                                                                                                         | 600   |                              |                                  |                                      |                     | ...               | ...        | ...        | ...        | ...         | ... |
|                                                                                                         | 800●  |                              |                                  |                                      |                     | ...               | ...        | ...        | ...        | ...         | ... |
|                                                                                                         | 1200● |                              | Order 3 Pole switch below        |                                      |                     | ...               | ...        | ...        | ...        | ...         | ... |
| Fusible①, 600 Volts, Ac⑨                                                                                |       |                              |                                  |                                      |                     | 480V<br>3ø        | 600V<br>3ø | 480V<br>3ø | 600V<br>3ø |             |     |
| 3-Pole<br>3-Wire<br> | 30    | HFN361                       | RHFN361                          | WHFN361                              | JHFN361             | 5                 | 7½         | 15         | 20         | ...         | 10  |
|                                                                                                         | 60    | HFN362                       | RHFN362                          | WHFN362                              | JHFN362             | 15                | 15         | 30         | 50         | ...         | 25  |
|                                                                                                         | 100   | HFN363                       | RHFN363                          | WHFN363                              | JHFN363             | 25                | 30         | 60         | 75         | ...         | 40  |
|                                                                                                         | 200   | HFN364                       | RHFN364                          | WHFN364                              | JHFN364             | 50                | 60         | 125        | 150        | ...         | 60  |
|                                                                                                         | 400   | HFN365                       | RHFN365                          | WHFN365                              | JHFN365             | 100               | 125        | 250        | 350        | ...         | ... |
|                                                                                                         | 600   | HFN366                       | RHFN366                          | WHFN366                              | JHFN366             | 150               | 200        | 400        | 500        | 50          | ... |
|                                                                                                         | 800●  | HFN367                       | RHFN367                          | .....                                | .....               | ...               | ...        | ...        | ...        | ...         | ... |
|                                                                                                         | 1200● | HFN368                       | RHFN368                          | .....                                | .....               | ...               | ...        | ...        | ...        | ...         | ... |

For NEC terminal data see page 9.  
For price information see Price List 30-125.  
For renewal parts data see Price List 30-190.

- For Class R fuse kits, refer to page 9 to order.
- 800 and 1200 ampere switches have provision for Class L fuses.

⑦ Switches are available with provision for tang terminals.  
To order, add suffix A to catalog number.

④ Ac rated only.

⑤ For all neutral kits refer to page 9 to order.

⑥ Applies when standard, Class H fuses are used.

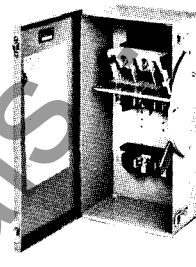
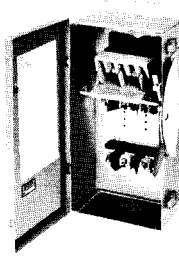
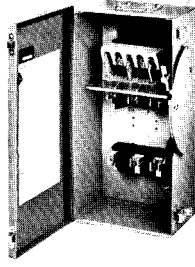
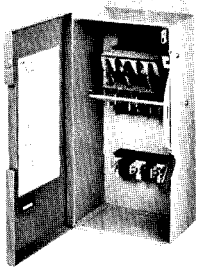
⑦ Applies when time delay fuses are used.

⑧ These 800 and 1200A switches are rated 250V Dc max.

⑨ 30-400A switches are also rated 600V Dc.



## Heavy Duty Safety Switches Fusible and Non-Fusible



### Features-Specifications

- Door latch securely holds door closed; permits padlocking
- Door interlock prevents door from opening when switch is energized
- Star mounting feet assure easy mounting
- UL Listed File E5189 and complies with UL Standard UL98
- CSA Certified File (400-1200 amps) LR-28115
- Meets NEMA Spec. KS1-1990
- Meets Federal Spec. WS-865c, Type HD

### Application Data

- Provide dependable continuous service on the most rugged industrial applications.
- All switches are Underwriters' Laboratories listed and suitable for use as Service Entrance Equipment when neutral is provided or grounding kit is employed.
- All Heavy Duty Safety Switches, when used with Class R or J fuses, are rated for 100,000 amps RMS available.
- I<sup>2</sup>t ratings assure that the let-through peak currents will always be within the switches interrupting capability. When used with Class R or J fuses, these withstand ratings are as follows:

| Switch<br>Ampere<br>Rating | IP<br>(Peak<br>Amperes) | I <sup>2</sup> t<br>(Amps <sup>2</sup><br>Seconds) |
|----------------------------|-------------------------|----------------------------------------------------|
| 30                         | 11,000                  | 50,000                                             |
| 60                         | 21,000                  | 200,000                                            |
| 100                        | 25,000                  | 500,000                                            |
| 200                        | 40,000                  | 1,600,000                                          |
| 400                        | 60,000                  | 5,000,000                                          |
| 600                        | 80,000                  | 10,000,000                                         |

### 240, 480, 600 Volts Ac, 250, 600 Volts Dc, Fusible<sup>①</sup> and Non-Fusible NEMA 1, 3R, 4/4X and 12 Enclosures Fusible<sup>①</sup>, 600 Volts Ac

| Poles                  | Amps | NEMA 1 <sup>②</sup><br>Indoor<br>Cat. No.                            | NEMA 3R <sup>②</sup><br>Rainproof<br>Cat. No. | NEMA 4/4X <sup>②</sup><br>Stls. Steel<br>Cat. No. | NEMA 12 <sup>③</sup><br>Cat. No. | Horsepower Rating    |                      | Volts<br>Dc |      |
|------------------------|------|----------------------------------------------------------------------|-----------------------------------------------|---------------------------------------------------|----------------------------------|----------------------|----------------------|-------------|------|
|                        |      |                                                                      |                                               |                                                   |                                  | Ac Std. <sup>④</sup> | Maximum <sup>⑤</sup> | 250V        | 600V |
| 3-Pole                 | 30   |                                                                      |                                               |                                                   |                                  | 480V<br>3ø           | 7½<br>15             | 20          | ...  |
| 4-Wire SN <sup>⑥</sup> | 60   |                                                                      |                                               |                                                   |                                  | 600V<br>3ø           | 30                   | 50          | ...  |
|                        | 100  | Order 3 Pole switches from page 6 and select neutral kit from page 9 |                                               |                                                   |                                  | 25                   | 30                   | 60          | 75   |
|                        | 200  |                                                                      |                                               |                                                   |                                  | 50                   | 60                   | 125         | 150  |
|                        | 400  |                                                                      |                                               |                                                   |                                  | 100                  | 125                  | 250         | 350  |
|                        | 600  |                                                                      |                                               |                                                   |                                  | 150                  | 200                  | 400         | 500  |
|                        | 800  |                                                                      |                                               |                                                   |                                  | ...                  | ...                  | ...         | ...  |
|                        | 1200 |                                                                      |                                               |                                                   |                                  | ...                  | ...                  | ...         | ...  |

### Fusible, 600 Volts Ac

| Poles  | Amps | 4-Pole | 600V | 480V | 600V | 250V | 600V |
|--------|------|--------|------|------|------|------|------|
| 4-Wire | 30   | HFN461 | ...  | ...  | ...  | ...  | ...  |
|        | 60   | HFN462 | ...  | ...  | ...  | ...  | ...  |

### Non-Fusible, 240 Volts Ac

| Poles  | Amps | 2-Pole | 240V | 240V | 480V | 600V |
|--------|------|--------|------|------|------|------|
| 2-Wire | 30   | ...    | 2ø   | 2ø   | 2ø   | 2ø   |
|        | 60   | ...    | ...  | ...  | ...  | ...  |
|        | 100  | ...    | ...  | ...  | ...  | ...  |
|        | 200  | ...    | ...  | ...  | ...  | ...  |
|        | 400  | ...    | ...  | ...  | ...  | ...  |
|        | 600  | ...    | ...  | ...  | ...  | ...  |

### Non-Fusible, 240 Volts Ac

| Poles  | Amps | 3-Pole | 240V | 240V | 480V | 600V |
|--------|------|--------|------|------|------|------|
| 3-Wire | 30   | HUN321 | 1ø   | 3ø   | 1ø   | 3ø   |
|        | 60   | HUN322 | ...  | ...  | ...  | ...  |
|        | 100  | HUN323 | ...  | ...  | ...  | ...  |
|        | 200  | HUN324 | ...  | ...  | ...  | ...  |
|        | 400  | HUN325 | ...  | ...  | ...  | ...  |
|        | 600  | HUN326 | ...  | ...  | ...  | ...  |

### Non-Fusible, 600 Volts Ac, 600 Volts Dc

| Poles  | Amps | 2-Pole | 240V | 240V | 480V | 600V |
|--------|------|--------|------|------|------|------|
| 2-Wire | 30   | HUN261 | 1ø   | 1ø   | 7½   | 10   |
|        | 60   | HUN262 | ...  | ...  | 20   | 25   |
|        | 100  | ...    | ...  | ...  | ...  | ...  |
|        | 200  | ...    | ...  | ...  | ...  | ...  |
|        | 400  | ...    | ...  | ...  | ...  | ...  |
|        | 600  | ...    | ...  | ...  | ...  | ...  |
|        | 800  | ...    | ...  | ...  | ...  | ...  |
|        | 1200 | ...    | ...  | ...  | ...  | ...  |

### Non-Fusible, 600 Volts Ac<sup>⑧</sup>

| Poles  | Amps | 3-Pole | 240V | 240V | 480V | 600V |
|--------|------|--------|------|------|------|------|
| 3-Wire | 30   | HUN361 | 1ø   | 1ø   | 3ø   | 3ø   |
|        | 60   | HUN362 | ...  | ...  | 20   | 20   |
|        | 100  | HUN363 | ...  | ...  | 50   | 50   |
|        | 200  | HUN364 | ...  | ...  | 75   | 75   |
|        | 400  | HUN365 | ...  | ...  | 125  | 150  |
|        | 600  | HUN366 | ...  | ...  | 250  | 350  |
|        | 800  | HUN367 | ...  | ...  | 400  | 500  |
|        | 1200 | HUN368 | ...  | ...  | ...  | ...  |

### Non-Fusible, 600 Volts Ac, 250 Volts Dc

| Poles  | Amps | 4-Pole | 240V | 600V | 480V | 600V |
|--------|------|--------|------|------|------|------|
| 4-Wire | 30   | HUN461 | 2ø   | 2ø   | 3ø   | 3ø   |
|        | 60   | HUN462 | ...  | ...  | 20   | 20   |
|        | 100  | HUN463 | ...  | ...  | 50   | 50   |
|        | 200  | ...    | ...  | ...  | 60   | 60   |
|        | ...  | ...    | ...  | ...  | 75   | 75   |
|        | ...  | ...    | ...  | ...  | ...  | ...  |

① For Class R fuse kits, refer to page 9 to order.

② 800 and 1200 ampere switches have provision for Class L fuses.

③ Switches are available with provision for tang terminals. To order, add suffix A to catalog number.

④ For all neutral kits refer to page 9 to order.

⑤ Rated 250V Dc max.

⑥ Applies when standard, Class H fuses are used.

⑦ Applies when time delay fuses are used.

⑧ 30-400A switches are also rated 600V Dc

For NEC terminal data see page 9.

For price information see Price List 30-125.

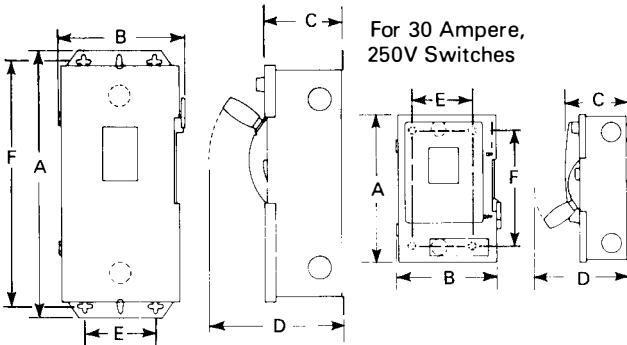
For renewal parts data see Price List 30-190.

## Heavy Duty Safety Switches

### Dimensional Data

#### NEMA 1 Indoor

For 30A, 600V and 60 through 1200 Ampere Switches

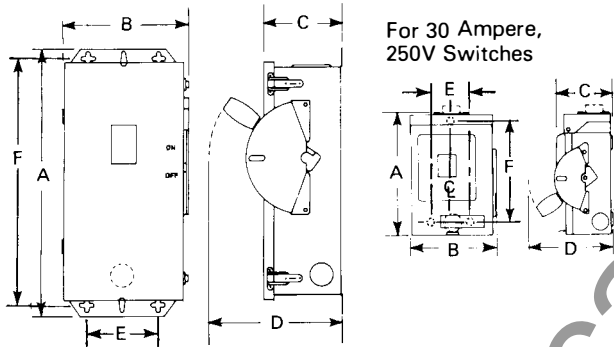
For 30 Ampere,  
250V Switches

| Poles                             | Amps | Dimensions – Inches              |                                  |                                  |                                 |                                |                                  | Conduit<br>Sizes, Inches            | Approx.<br>Weight<br>Lbs. |
|-----------------------------------|------|----------------------------------|----------------------------------|----------------------------------|---------------------------------|--------------------------------|----------------------------------|-------------------------------------|---------------------------|
|                                   |      | A                                | B                                | C                                | D                               | E                              | F                                |                                     |                           |
| 250/600 Volt HFN Fusible Switches |      |                                  |                                  |                                  |                                 |                                |                                  |                                     |                           |
| 2, 3                              | 30   | 9 <sup>9</sup> / <sub>32</sub>   | 7 <sup>1</sup> / <sub>2</sub>    | 4 <sup>13</sup> / <sub>32</sub>  | 6 <sup>27</sup> / <sub>32</sub> | 3 <sup>3</sup> / <sub>4</sub>  | 6 <sup>31</sup> / <sub>32</sub>  | 1/2, 3/4, 1                         | 8                         |
| 2, 3                              | 30   | 19                               | 9                                | 5 <sup>11</sup> / <sub>16</sub>  | 9 <sup>7</sup> / <sub>8</sub>   | 5                              | 17 <sup>5</sup> / <sub>8</sub>   | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2 | 15                        |
| 2, 3                              | 60   | 16 <sup>1</sup> / <sub>16</sub>  | 9                                | 5 <sup>11</sup> / <sub>16</sub>  | 9 <sup>7</sup> / <sub>8</sub>   | 5                              | 15 <sup>5</sup> / <sub>8</sub>   | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2 | 14                        |
| 2, 3                              | 60   | 19                               | 9                                | 5 <sup>11</sup> / <sub>16</sub>  | 9 <sup>7</sup> / <sub>8</sub>   | 5                              | 17 <sup>5</sup> / <sub>8</sub>   | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2 | 17                        |
| 2, 3                              | 100  | 28 <sup>7</sup> / <sub>16</sub>  | 10 <sup>13</sup> / <sub>16</sub> | 7 <sup>1</sup> / <sub>2</sub>    | 12 <sup>1</sup> / <sub>4</sub>  | 6                              | 22 <sup>23</sup> / <sub>32</sub> | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2        | 38                        |
| 2, 3                              | 200  | 37 <sup>5</sup> / <sub>8</sub>   | 13 <sup>3</sup> / <sub>16</sub>  | 8 <sup>21</sup> / <sub>32</sub>  | 13 <sup>1</sup> / <sub>2</sub>  | 8 <sup>3</sup> / <sub>8</sub>  | 35 <sup>7</sup> / <sub>8</sub>   | 1/2, 3/4, 1 1/2, 2, 2 1/2, 3        | 61                        |
| 2, 3                              | 400  | 56 <sup>5</sup> / <sub>32</sub>  | 23 <sup>1</sup> / <sub>2</sub>   | 12 <sup>11</sup> / <sub>32</sub> | 17 <sup>1</sup> / <sub>16</sub> | 17                             | 46 <sup>29</sup> / <sub>32</sub> | 2 1/2, 3, 3 1/2, 4                  | 163                       |
| 2, 3                              | 600  | 56 <sup>5</sup> / <sub>32</sub>  | 23 <sup>1</sup> / <sub>2</sub>   | 12 <sup>11</sup> / <sub>32</sub> | 17 <sup>1</sup> / <sub>16</sub> | 17                             | 46 <sup>29</sup> / <sub>32</sub> | 2 1/2, 3, 3 1/2, 4                  | 173                       |
| 2, 3                              | 800  | 66 <sup>3</sup> / <sub>4</sub>   | 40 <sup>3</sup> / <sub>8</sub>   | 12 <sup>1</sup> / <sub>4</sub>   | 17 <sup>1</sup> / <sub>2</sub>  | 31 <sup>1</sup> / <sub>2</sub> | 56 <sup>1</sup> / <sub>32</sub>  |                                     | 510                       |
| 2, 3                              | 1200 | 73 <sup>15</sup> / <sub>16</sub> | 43 <sup>3</sup> / <sub>8</sub>   | 12 <sup>1</sup> / <sub>4</sub>   | 17 <sup>1</sup> / <sub>2</sub>  | 34 <sup>1</sup> / <sub>2</sub> | 63 <sup>17</sup> / <sub>32</sub> |                                     | 570                       |

|                                              |      |                                  |                                  |                                  |                                 |                                |                                  |                                     |     |
|----------------------------------------------|------|----------------------------------|----------------------------------|----------------------------------|---------------------------------|--------------------------------|----------------------------------|-------------------------------------|-----|
| <b>250/600 Volt HUN Non-Fusible Switches</b> |      |                                  |                                  |                                  |                                 |                                |                                  |                                     |     |
| 2, 3                                         | 30   | 9 <sup>9</sup> / <sub>32</sub>   | 7 <sup>1</sup> / <sub>2</sub>    | 4 <sup>13</sup> / <sub>32</sub>  | 6 <sup>27</sup> / <sub>32</sub> | 3 <sup>3</sup> / <sub>4</sub>  | 6 <sup>31</sup> / <sub>32</sub>  | 1/2, 3/4, 1                         | 7   |
| 2, 3                                         | 30   | 16 <sup>1</sup> / <sub>2</sub>   | 9                                | 5 <sup>11</sup> / <sub>16</sub>  | 9 <sup>7</sup> / <sub>8</sub>   | 5                              | 15 <sup>5</sup> / <sub>8</sub>   | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2 | 14  |
| 2, 3                                         | 60   | 16 <sup>1</sup> / <sub>2</sub>   | 9                                | 5 <sup>11</sup> / <sub>16</sub>  | 9 <sup>7</sup> / <sub>8</sub>   | 5                              | 15 <sup>5</sup> / <sub>8</sub>   | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2 | 14  |
| 2, 3                                         | 100  | 28 <sup>7</sup> / <sub>16</sub>  | 10 <sup>13</sup> / <sub>16</sub> | 7 <sup>1</sup> / <sub>2</sub>    | 12 <sup>1</sup> / <sub>4</sub>  | 6                              | 22 <sup>23</sup> / <sub>32</sub> | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2        | 34  |
| 2, 3                                         | 200  | 37 <sup>5</sup> / <sub>8</sub>   | 13 <sup>3</sup> / <sub>16</sub>  | 8 <sup>21</sup> / <sub>32</sub>  | 13 <sup>1</sup> / <sub>2</sub>  | 8 <sup>3</sup> / <sub>8</sub>  | 35 <sup>7</sup> / <sub>8</sub>   | 1/2, 3/4, 1 1/2, 2, 2 1/2, 3        | 58  |
| 2, 3                                         | 400  | 44 <sup>19</sup> / <sub>32</sub> | 23 <sup>1</sup> / <sub>2</sub>   | 12 <sup>11</sup> / <sub>32</sub> | 17 <sup>1</sup> / <sub>16</sub> | 17                             | 37 <sup>13</sup> / <sub>32</sub> | 2 1/2, 3, 3 1/2, 4                  | 136 |
| 2, 3                                         | 600  | 44 <sup>19</sup> / <sub>32</sub> | 23 <sup>1</sup> / <sub>2</sub>   | 12 <sup>11</sup> / <sub>32</sub> | 17 <sup>1</sup> / <sub>16</sub> | 17                             | 37 <sup>13</sup> / <sub>32</sub> | 2 1/2, 3, 3 1/2, 4                  | 146 |
| 2, 3                                         | 800  | 60 <sup>29</sup> / <sub>32</sub> | 40 <sup>3</sup> / <sub>8</sub>   | 12 <sup>1</sup> / <sub>4</sub>   | 17 <sup>1</sup> / <sub>2</sub>  | 31 <sup>1</sup> / <sub>2</sub> | 50 <sup>1</sup> / <sub>2</sub>   |                                     | 466 |
| 2, 3                                         | 1200 | 65 <sup>11</sup> / <sub>16</sub> | 43 <sup>3</sup> / <sub>8</sub>   | 12 <sup>1</sup> / <sub>4</sub>   | 17 <sup>1</sup> / <sub>2</sub>  | 34 <sup>1</sup> / <sub>2</sub> | 55 <sup>9</sup> / <sub>32</sub>  |                                     | 517 |

#### NEMA 3R Rainproof

For 30A, 600V and 60 through 1200 Ampere Switches

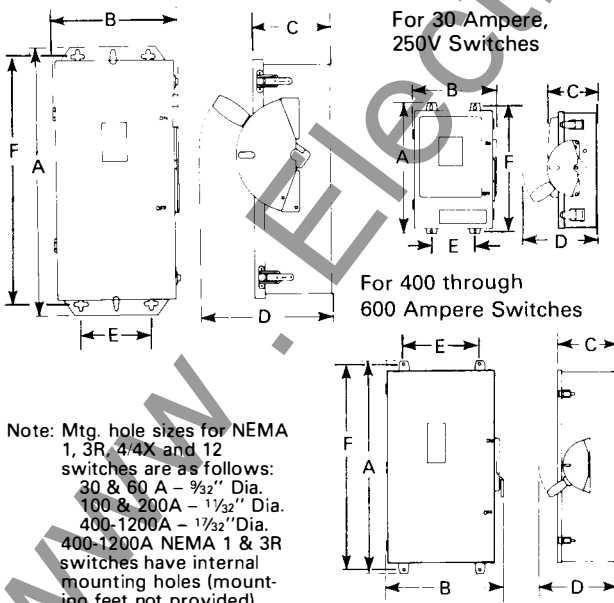
For 30 Ampere,  
250V Switches

| Poles                              | Amps | Dimensions - Inches              |                                 |                                 |                                |                                |                                  | Conduit<br>Sizes, Inches                                                       | Hub Sizes<br>Inches                                                       | Approx.<br>Weight<br>Lbs. |
|------------------------------------|------|----------------------------------|---------------------------------|---------------------------------|--------------------------------|--------------------------------|----------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------|
|                                    |      | A                                | B                               | C                               | D                              | E                              | F                                |                                                                                |                                                                           |                           |
| 250/600 Volt RHFN Fusible Switches |      |                                  |                                 |                                 |                                |                                |                                  |                                                                                |                                                                           |                           |
| 2, 3 <sup>3</sup>                  | 30   | 10 <sup>3</sup> / <sub>16</sub>  | 7 <sup>1</sup> / <sub>2</sub>   | 4 <sup>13</sup> / <sub>16</sub> | 7 <sup>5</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub>  | 6 <sup>1</sup> / <sub>2</sub>    | 1/2, 3/4, 1, 1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub> , 2 | 3/4, 1, 1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub> , 2 | 10                        |
| 2, 3                               | 30   | 19                               | 9 <sup>1</sup> / <sub>4</sub>   | 5 <sup>5</sup> / <sub>8</sub>   | 9 <sup>1</sup> / <sub>2</sub>  | 5                              | 17 <sup>5</sup> / <sub>8</sub>   | 1/2, 3/4, 1, 1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub> , 2 | 3/4, 1, 1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub> , 2 | 18                        |
| 2, 3                               | 60   | 19                               | 9 <sup>1</sup> / <sub>4</sub>   | 5 <sup>5</sup> / <sub>8</sub>   | 9 <sup>1</sup> / <sub>2</sub>  | 5                              | 17 <sup>5</sup> / <sub>8</sub>   | 1/2, 3/4, 1, 1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub> , 2 | 3/4, 1, 1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub> , 2 | 19                        |
| 2, 3                               | 100  | 28 <sup>7</sup> / <sub>16</sub>  | 11 <sup>3</sup> / <sub>16</sub> | 7 <sup>1</sup> / <sub>2</sub>   | 12 <sup>1</sup> / <sub>4</sub> | 6                              | 26 <sup>23</sup> / <sub>32</sub> | 1/2, 3/4, 1, 1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub> , 2 | 3/4, 1, 1 <sup>1</sup> / <sub>4</sub> , 1 <sup>1</sup> / <sub>2</sub> , 2 | 39                        |
| 2, 3                               | 200  | 37 <sup>5</sup> / <sub>8</sub>   | 14 <sup>3</sup> / <sub>16</sub> | 8 <sup>3</sup> / <sub>4</sub>   | 13 <sup>1</sup> / <sub>2</sub> | 8 <sup>3</sup> / <sub>8</sub>  | 35 <sup>29</sup> / <sub>32</sub> | 1/2, 3/4, 1 <sup>1</sup> / <sub>2</sub> , 2, 2 <sup>1</sup> / <sub>2</sub> , 3 | 2, 2 <sup>1</sup> / <sub>2</sub> , 3                                      | 63                        |
| 2, 3                               | 400  | 56 <sup>1</sup> / <sub>8</sub>   | 23 <sup>1</sup> / <sub>2</sub>  | 12 <sup>3</sup> / <sub>8</sub>  | 17 <sup>1</sup> / <sub>2</sub> | 17                             | 46 <sup>29</sup> / <sub>32</sub> | 2 <sup>1</sup> / <sub>2</sub> , 3, 3 <sup>1</sup> / <sub>2</sub> , 4           |                                                                           | 163                       |
| 2, 3                               | 600  | 56 <sup>1</sup> / <sub>8</sub>   | 23 <sup>1</sup> / <sub>2</sub>  | 12 <sup>3</sup> / <sub>8</sub>  | 17 <sup>1</sup> / <sub>2</sub> | 17                             | 46 <sup>29</sup> / <sub>32</sub> | 2 <sup>1</sup> / <sub>2</sub> , 3, 3 <sup>1</sup> / <sub>2</sub> , 4           |                                                                           | 173                       |
| 2, 3                               | 800  | 66 <sup>3</sup> / <sub>4</sub>   | 40 <sup>3</sup> / <sub>8</sub>  | 12 <sup>3</sup> / <sub>8</sub>  | 17 <sup>1</sup> / <sub>2</sub> | 31 <sup>1</sup> / <sub>2</sub> | 56 <sup>1</sup> / <sub>32</sub>  |                                                                                |                                                                           | 485                       |
| 2, 3                               | 1200 | 73 <sup>15</sup> / <sub>16</sub> | 43 <sup>3</sup> / <sub>8</sub>  | 12 <sup>3</sup> / <sub>8</sub>  | 17 <sup>1</sup> / <sub>2</sub> | 34 <sup>1</sup> / <sub>2</sub> | 63 <sup>17</sup> / <sub>32</sub> |                                                                                |                                                                           | 590                       |

|                                               |      |                                  |                                 |                                 |                                |                                |                                  |                              |                         |     |
|-----------------------------------------------|------|----------------------------------|---------------------------------|---------------------------------|--------------------------------|--------------------------------|----------------------------------|------------------------------|-------------------------|-----|
| <b>250/600 Volt RHUN Non-Fusible Switches</b> |      |                                  |                                 |                                 |                                |                                |                                  |                              |                         |     |
| 2, 3                                          | 30   | 10 <sup>3</sup> / <sub>16</sub>  | 7 <sup>1</sup> / <sub>2</sub>   | 4 <sup>13</sup> / <sub>16</sub> | 7 <sup>5</sup> / <sub>16</sub> | 3 <sup>3</sup> / <sub>4</sub>  | 6 <sup>1</sup> / <sub>2</sub>    | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 | 3/4, 1, 1 1/4, 1 1/2, 2 | 10  |
| 2, 3                                          | 30   | 19                               | 9 <sup>1</sup> / <sub>4</sub>   | 5 <sup>5</sup> / <sub>8</sub>   | 9 <sup>1</sup> / <sub>2</sub>  | 5                              | 17 <sup>5</sup> / <sub>8</sub>   | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 | 3/4, 1, 1 1/4, 1 1/2, 2 | 17  |
| 2, 3                                          | 60   | 19                               | 9 <sup>1</sup> / <sub>4</sub>   | 5 <sup>5</sup> / <sub>8</sub>   | 9 <sup>1</sup> / <sub>2</sub>  | 5                              | 17 <sup>5</sup> / <sub>8</sub>   | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 | 3/4, 1, 1 1/4, 1 1/2, 2 | 17  |
| 2, 3                                          | 100  | 28 <sup>7</sup> / <sub>16</sub>  | 11 <sup>3</sup> / <sub>16</sub> | 7 <sup>1</sup> / <sub>2</sub>   | 12 <sup>1</sup> / <sub>4</sub> | 6                              | 26 <sup>23</sup> / <sub>32</sub> | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 | 3/4, 1, 1 1/4, 1 1/2, 2 | 39  |
| 2, 3                                          | 200  | 37 <sup>5</sup> / <sub>8</sub>   | 14 <sup>3</sup> / <sub>16</sub> | 8 <sup>3</sup> / <sub>4</sub>   | 13 <sup>1</sup> / <sub>2</sub> | 8 <sup>3</sup> / <sub>8</sub>  | 35 <sup>29</sup> / <sub>32</sub> | 1/2, 3/4, 1 1/2, 2, 2 1/2, 3 | 2, 2 1/2, 3             | 60  |
| 2, 3                                          | 400  | 44 <sup>5</sup> / <sub>8</sub>   | 23 <sup>1</sup> / <sub>2</sub>  | 12 <sup>3</sup> / <sub>8</sub>  | 17 <sup>1</sup> / <sub>2</sub> | 17                             | 37 <sup>13</sup> / <sub>32</sub> | 2 1/2, 3, 3 1/2, 4           |                         | 136 |
| 2, 3                                          | 600  | 44 <sup>5</sup> / <sub>8</sub>   | 23 <sup>1</sup> / <sub>2</sub>  | 12 <sup>3</sup> / <sub>8</sub>  | 17 <sup>1</sup> / <sub>2</sub> | 17                             | 37 <sup>13</sup> / <sub>32</sub> | 2 1/2, 3, 3 1/2, 4           |                         | 146 |
| 2, 3                                          | 800  | 60 <sup>29</sup> / <sub>32</sub> | 40 <sup>3</sup> / <sub>8</sub>  | 12 <sup>3</sup> / <sub>8</sub>  | 17 <sup>1</sup> / <sub>2</sub> | 31 <sup>1</sup> / <sub>2</sub> | 50 <sup>1</sup> / <sub>2</sub>   |                              |                         | 480 |
| 2, 3                                          | 1200 | 65 <sup>11</sup> / <sub>16</sub> | 43 <sup>3</sup> / <sub>8</sub>  | 12 <sup>3</sup> / <sub>8</sub>  | 17 <sup>1</sup> / <sub>2</sub> | 34 <sup>1</sup> / <sub>2</sub> | 55 <sup>9</sup> / <sub>32</sub>  |                              |                         | 580 |

#### NEMA 4/4X Watertight Stainless Steel, NEMA 12 Dust-Tight and Oil-Tight Industrial

For 30A, 600V and 60 through 200 Ampere Switches

For 30 Ampere,  
250V SwitchesFor 400 through  
600 Ampere Switches

Note: Mtg. hole sizes for NEMA 1, 3R, 4/4X and 12 switches are as follows:  
30 & 60 A - 9/32" Dia.  
100 & 200A - 1/32" Dia.  
400-1200A - 1/32" Dia.  
400-1200A NEMA 1 & 3R switches have internal mounting holes (mounting feet not provided).

| Poles                              | Amps | Dimensions – Inches              |                                 |                                 |                                |                               |                                  | Approx. Weight Lbs. |  |
|------------------------------------|------|----------------------------------|---------------------------------|---------------------------------|--------------------------------|-------------------------------|----------------------------------|---------------------|--|
|                                    |      | A                                | B                               | C                               | D                              | E                             | F                                |                     |  |
| 250/600 Volt WHFN Fusible Switches |      |                                  |                                 |                                 |                                |                               |                                  |                     |  |
| 2, 3 ①                             | 30   | 10 <sup>11</sup> / <sub>16</sub> | 7 <sup>15</sup> / <sub>16</sub> | 4 <sup>21</sup> / <sub>32</sub> | 7 <sup>3</sup> / <sub>16</sub> | 4                             | 10 <sup>1</sup> / <sub>16</sub>  | 9                   |  |
| 2, 3                               | 30   | 19                               | 9 <sup>7</sup> / <sub>32</sub>  | 5 <sup>17</sup> / <sub>32</sub> | 9 <sup>9</sup> / <sub>16</sub> | 5                             | 17 <sup>5</sup> / <sub>8</sub>   | 19                  |  |
| 2, 3                               | 60   | 19                               | 9 <sup>7</sup> / <sub>32</sub>  | 5 <sup>17</sup> / <sub>32</sub> | 9 <sup>9</sup> / <sub>16</sub> | 5                             | 17 <sup>5</sup> / <sub>8</sub>   | 19                  |  |
| 2, 3                               | 100  | 28 <sup>7</sup> / <sub>16</sub>  | 11 <sup>3</sup> / <sub>16</sub> | 7 <sup>1</sup> / <sub>2</sub>   | 12 <sup>1</sup> / <sub>4</sub> | 6                             | 26 <sup>23</sup> / <sub>32</sub> | 37                  |  |
| 2, 3                               | 200  | 37 <sup>5</sup> / <sub>8</sub>   | 14 <sup>3</sup> / <sub>16</sub> | 8 <sup>3</sup> / <sub>4</sub>   | 13 <sup>1</sup> / <sub>2</sub> | 8 <sup>3</sup> / <sub>8</sub> | 35 <sup>29</sup> / <sub>32</sub> | 64                  |  |
| 2, 3                               | 400  | 58 <sup>3</sup> / <sub>16</sub>  | 23 <sup>1</sup> / <sub>2</sub>  | 12 <sup>1</sup> / <sub>4</sub>  | 17 <sup>5</sup> / <sub>8</sub> | 18                            | 57 <sup>3</sup> / <sub>16</sub>  | 163                 |  |
| 2, 3                               | 600  | 58 <sup>3</sup> / <sub>16</sub>  | 23 <sup>1</sup> / <sub>2</sub>  | 12 <sup>1</sup> / <sub>4</sub>  | 17 <sup>5</sup> / <sub>8</sub> | 18                            | 57 <sup>3</sup> / <sub>16</sub>  | 173                 |  |

|                                               |     |                                  |                                 |                                 |                                |                               |                                  |  |     |
|-----------------------------------------------|-----|----------------------------------|---------------------------------|---------------------------------|--------------------------------|-------------------------------|----------------------------------|--|-----|
| <b>250/600 Volt WHUN Non-Fusible Switches</b> |     |                                  |                                 |                                 |                                |                               |                                  |  |     |
| 2, 3                                          | 30  | 10 <sup>11</sup> / <sub>16</sub> | 7 <sup>15</sup> / <sub>16</sub> | 4 <sup>21</sup> / <sub>32</sub> | 7 <sup>3</sup> / <sub>16</sub> | 4                             | 10 <sup>1</sup> / <sub>16</sub>  |  | 9   |
| 2, 3                                          | 30  | 19                               | 9 <sup>7</sup> / <sub>32</sub>  | 5 <sup>17</sup> / <sub>32</sub> | 9 <sup>9</sup> / <sub>16</sub> | 5                             | 17 <sup>5</sup> / <sub>8</sub>   |  | 17  |
| 3                                             | 60  | 19                               | 9 <sup>7</sup> / <sub>32</sub>  | 5 <sup>17</sup> / <sub>32</sub> | 9 <sup>9</sup> / <sub>16</sub> | 5                             | 17 <sup>5</sup> / <sub>8</sub>   |  | 18  |
| 3                                             | 100 | 28 <sup>7</sup> / <sub>16</sub>  | 11 <sup>3</sup> / <sub>16</sub> | 7 <sup>1</sup> / <sub>2</sub>   | 12 <sup>1</sup> / <sub>4</sub> | 6                             | 26 <sup>23</sup> / <sub>32</sub> |  | 36  |
| 3                                             | 200 | 37 <sup>5</sup> / <sub>8</sub>   | 14 <sup>3</sup> / <sub>16</sub> | 8 <sup>3</sup> / <sub>4</sub>   | 13 <sup>1</sup> / <sub>2</sub> | 8 <sup>3</sup> / <sub>8</sub> | 35 <sup>29</sup> / <sub>32</sub> |  | 56  |
| 3                                             | 400 | 46 <sup>11</sup> / <sub>16</sub> | 23 <sup>1</sup> / <sub>2</sub>  | 12 <sup>1</sup> / <sub>4</sub>  | 17 <sup>5</sup> / <sub>8</sub> | 18                            | 45 <sup>11</sup> / <sub>16</sub> |  | 136 |
| 3                                             | 600 | 46 <sup>11</sup> / <sub>16</sub> | 23 <sup>1</sup> / <sub>2</sub>  | 12 <sup>1</sup> / <sub>4</sub>  | 17 <sup>5</sup> / <sub>8</sub> | 18                            | 45 <sup>11</sup> / <sub>16</sub> |  | 145 |

|                                           |     |                                 |                                 |                                 |                                |                               |                                  |  |     |
|-------------------------------------------|-----|---------------------------------|---------------------------------|---------------------------------|--------------------------------|-------------------------------|----------------------------------|--|-----|
| <b>250/600 Volt JHFN Fusible Switches</b> |     |                                 |                                 |                                 |                                |                               |                                  |  |     |
| 2, 3                                      | 30  | 13 <sup>1</sup> / <sub>16</sub> | 7 <sup>29</sup> / <sub>32</sub> | 4 <sup>21</sup> / <sub>32</sub> | 7 <sup>7</sup> / <sub>8</sub>  | 4                             | 13 <sup>1</sup> / <sub>16</sub>  |  | 10  |
| 2, 3                                      | 30  | 19                              | 9 <sup>7</sup> / <sub>32</sub>  | 5 <sup>17</sup> / <sub>32</sub> | 9 <sup>9</sup> / <sub>16</sub> | 5                             | 17 <sup>5</sup> / <sub>8</sub>   |  | 18  |
| 2, 3                                      | 60  | 19                              | 9 <sup>7</sup> / <sub>32</sub>  | 5 <sup>17</sup> / <sub>32</sub> | 9 <sup>9</sup> / <sub>16</sub> | 5                             | 17 <sup>5</sup> / <sub>8</sub>   |  | 18  |
| 2, 3                                      | 100 | 28 <sup>7</sup> / <sub>16</sub> | 11 <sup>3</sup> / <sub>16</sub> | 7 <sup>1</sup> / <sub>2</sub>   | 12 <sup>1</sup> / <sub>4</sub> | 6                             | 26 <sup>23</sup> / <sub>32</sub> |  | 40  |
| 2, 3                                      | 200 | 37 <sup>5</sup> / <sub>8</sub>  | 14 <sup>3</sup> / <sub>16</sub> | 8 <sup>3</sup> / <sub>4</sub>   | 13 <sup>1</sup> / <sub>2</sub> | 8 <sup>3</sup> / <sub>8</sub> | 35 <sup>29</sup> / <sub>32</sub> |  | 62  |
| 2, 3                                      | 400 | 58 <sup>3</sup> / <sub>16</sub> | 23 <sup>1</sup> / <sub>2</sub>  | 12 <sup>1</sup> / <sub>4</sub>  | 17 <sup>5</sup> / <sub>8</sub> | 18                            | 57 <sup>3</sup> / <sub>16</sub>  |  | 163 |
| 2, 3                                      | 600 | 58 <sup>3</sup> / <sub>16</sub> | 23 <sup>1</sup> / <sub>2</sub>  | 12 <sup>1</sup> / <sub>4</sub>  | 17 <sup>5</sup> / <sub>8</sub> | 18                            | 57 <sup>3</sup> / <sub>16</sub>  |  | 173 |

| 250/600 Volt JHUN Non-Fusible Switches |     |                                  |                                 |                                 |                                |                               |  |                                  |     |
|----------------------------------------|-----|----------------------------------|---------------------------------|---------------------------------|--------------------------------|-------------------------------|--|----------------------------------|-----|
| 2, 3                                   | 30  | 13 <sup>1</sup> / <sub>16</sub>  | 7 <sup>29</sup> / <sub>32</sub> | 4 <sup>21</sup> / <sub>32</sub> | 7 <sup>7</sup> / <sub>8</sub>  | 4                             |  | 13 <sup>1</sup> / <sub>16</sub>  | 10  |
| 2, 3                                   | 30  |                                  | 9 <sup>7</sup> / <sub>32</sub>  | 5 <sup>17</sup> / <sub>32</sub> | 9 <sup>9</sup> / <sub>16</sub> | 5                             |  | 17 <sup>5</sup> / <sub>8</sub>   | 17  |
| 3                                      | 60  |                                  | 9 <sup>7</sup> / <sub>32</sub>  | 5 <sup>17</sup> / <sub>32</sub> | 9 <sup>9</sup> / <sub>16</sub> | 5                             |  | 17 <sup>5</sup> / <sub>8</sub>   | 18  |
| 3                                      | 100 | 28 <sup>7</sup> / <sub>16</sub>  | 11 <sup>3</sup> / <sub>16</sub> | 7 <sup>1</sup> / <sub>2</sub>   | 12 <sup>1</sup> / <sub>4</sub> | 6                             |  | 26 <sup>23</sup> / <sub>32</sub> | 39  |
| 3                                      | 200 | 37 <sup>5</sup> / <sub>8</sub>   | 14 <sup>3</sup> / <sub>8</sub>  | 8 <sup>3</sup> / <sub>4</sub>   | 13 <sup>1</sup> / <sub>2</sub> | 8 <sup>3</sup> / <sub>8</sub> |  | 35 <sup>29</sup> / <sub>32</sub> | 60  |
| 3                                      | 400 | 46 <sup>11</sup> / <sub>16</sub> | 23 <sup>3</sup> / <sub>2</sub>  | 12 <sup>1</sup> / <sub>4</sub>  | 17 <sup>5</sup> / <sub>8</sub> | 18                            |  | 45 <sup>11</sup> / <sub>16</sub> | 136 |
| 3                                      | 600 | 46 <sup>11</sup> / <sub>16</sub> | 23 <sup>3</sup> / <sub>2</sub>  | 12 <sup>1</sup> / <sub>4</sub>  | 17 <sup>5</sup> / <sub>8</sub> | 18                            |  | 45 <sup>11</sup> / <sub>16</sub> | 145 |

## General and Heavy Duty Safety Switches Modifications and Accessories

### Terminal Data For Switches That Comply With 1990 NEC Sect. 373-6 (b)

| Plug - General Duty |              |                |                |              | Heavy Duty |              |                |                |              | Double Throw |              |                |                |              |
|---------------------|--------------|----------------|----------------|--------------|------------|--------------|----------------|----------------|--------------|--------------|--------------|----------------|----------------|--------------|
| Amps                | No. of wires | Min. Wire Size | Max. Wire Size | Type 60/75°C | Amps       | No. of wires | Min. Wire Size | Max. Wire Size | Type 60/75°C | Amps         | No. of wires | Min. Wire Size | Max. Wire Size | Type 60/75°C |
| 30                  | 1            | #14            | #8             | Cu           | 30①        | 1            | #14            | #8             | Cu/Al        | 30           | 1            | #14            | #6             | Cu/Al        |
| 60                  | 1            | #14            | #3             | Cu/Al        | 30②        | 1            | #14            | #3             | Cu/Al        | 60           | 1            | #14            | #2             | Cu/Al        |
| 100                 | 1            | #14            | 1/0            | Cu/Al        | 60         | 1            | #14            | #3             | Cu/Al        | 100          | 1            | #12            | 1/0            | Cu/Al        |
| 200                 | 1            | #4             | 250 MCM        | Cu/Al        | 100        | 1            | #14            | 1/0            | Cu/Al        | 200          | 1            | #6             | 250 MCM        | Cu/Al        |
| 400                 | 1            | 250 MCM        | 750 MCM        | Cu           | 200        | 1            | #6             | 250 MCM        | Cu/Al        | 400          | 2            | 1/0            | 300 MCM        | Cu/Al        |
| or                  | 2            | 3/0            | 300 MCM        | Cu           | 400        | 1            | 250 MCM        | 750 MCM        | Cu/Al        | or           | 1            | #2             | 750 MCM        | Cu/Al        |
| 600                 | 2            | 1/0            | 500 MCM        | Cu/Al        | or         | 2            | 3/0            | 300 MCM        | Cu/Al        | 600          | 2            | 1/0            | 350 MCM        | Cu/Al        |
|                     |              |                |                |              | 600        | 2            | 1/0            | 500 MCM        | Cu/Al        | 800          | 3            | 250 MCM        | 500 MCM        | Cu/Al        |
|                     |              |                |                |              | 800        | 3            | 1/0            | 750 MCM        | Cu/Al        |              |              |                |                |              |
|                     |              |                |                |              | 1200       | 4            | 1/0            | 750 MCM        | Cu/Al        |              |              |                |                |              |

### Electrical Interlock Kits for 2 and 3 Pole Heavy Duty Safety Switches

Electrical interlock kits are available for 2 and 3 pole Heavy Duty Safety Switches. All are field installable in NEMA 1, 3R, 4/4X and 12 switches and provide 2 NO and 2 NC contacts. They are mounted on a steel bracket and are actuated by the switch mechanism. All control contacts operate before the safety switch blades open or close.

| Safety Switch Rating     | Kit Catalog Number | Kit Ampere Ratings |        |        |        | Kit Horsepower Ratings |        |        |        |
|--------------------------|--------------------|--------------------|--------|--------|--------|------------------------|--------|--------|--------|
|                          |                    | 120VAC             | 240VAC | 480VAC | 125VDC | 250VDC                 | 120VAC | 240VAC | 125VDC |
| 30A-240V                 | EK-1               | 10                 | 10     | ..     | .3     | .15                    | ..     | ..     | ..     |
| 30A-600V, 60A-240 & 600V | EK-2               | 15                 | 15     | 15     | .5     | .25                    | 1/8    | 1/4    | ..     |
| 100A                     | EK-31              | 15                 | 15     | 15     | .5     | .25                    | 1/8    | 1/4    | ..     |
| 200A                     | EK-32              | 15                 | 15     | 15     | .5     | .25                    | 1/8    | 1/4    | ..     |
| 800 & 1200A              | EK-4               | 20                 | 20     | 20     | .5     | .25                    | 1      | 2      | 1/2    |
| 400 & 600A               | EK-5               | 20                 | 20     | 20     | .5     | .25                    | 1      | 2      | 1/2    |

### Neutral Kits - Field Installed

General Duty and 2 and 3 Pole Heavy Duty

| Switch Ampere Rating | Switch Type and Neutral Kit Cat. No. |                         | Neutral Kit Wire Range 60/75°C Cu/Al |
|----------------------|--------------------------------------|-------------------------|--------------------------------------|
|                      | General Duty                         | 2 and 3 Pole Heavy Duty |                                      |
| 30A, 250V            | —                                    | NK30                    | (1) #14-6                            |
| 30A, 600V and 60A    | —                                    | NK60                    | (1) #14-2                            |
| 100                  | —                                    | NK100                   | (1) #14-1/0                          |
| 200                  | —                                    | NK200                   | (1) #6-250 MCM                       |
| 400                  | —                                    | NK400                   | (1) #4-750 MCM or 2 1/0-250 MCM      |
| 600                  | —                                    | NK600                   | (2) #4-500 MCM                       |
| 800                  | —                                    | NK800                   | (3) 1/0-750 MCM                      |
| 1200                 | —                                    | NK1200                  | (4) 1/0-750 MCM                      |

### Equipment Grounding Kits

For General Duty and 2 and 3 Pole Heavy Duty Switches

| Max. Sw. Rating | Catalog Number | Wire Range 60/75°C Cu/Al |
|-----------------|----------------|--------------------------|
| 60A             | GNK6           | #14-6                    |
| 200A            | GNK20          | #14-2                    |
| 600A            | GNK60          | #6-1/0                   |

### Class R Fuse Clip Kits

| Description                                                                                                                                                     | Amps                                                                                      | Cat. No.                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------|
| For use with General and 2 and 3 pole Heavy Duty safety switches only. Kit will reject all fuses except class R. Only one kit required for a three pole switch. | 30A, 250V<br>30A, 600V/60A, 250V<br>60A, 600V<br>100/200A, 250/600V<br>400/600A, 250/600V | RFK1<br>RFK2<br>RFK3<br>RFK4<br>RFK5 |

### Interchangeable Rainproof Hubs

For use with NEMA 3R General Duty, Heavy Duty, Double Throw and 6 Pole Motor Circuit Switches

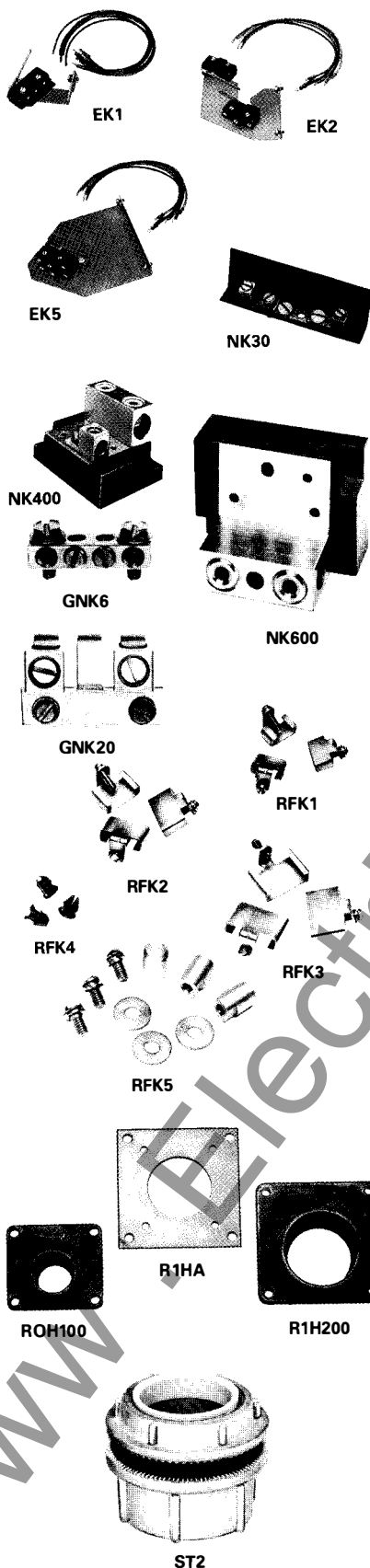
| Description                                                                                                                                                                  | Hub Dia. Inches                  | Switch Size      | Cat. No.                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------------|------------------------------------------------|
| All rainproof switches 30-200 amperes are shipped with cutout covered by a plate. Hubs smaller than 2" can be used on 200 ampere switches by ordering an adapter plate R1HA. | 3/4<br>1<br>1 1/4<br>1 1/2<br>2  | 30 thru 100 Amps | R0H075<br>R0H100<br>R0H125<br>R0H150<br>R0H200 |
| All 400 and larger rainproof switches are shipped with plain tops, no cutouts.                                                                                               | 2<br>2 1/2<br>3<br>Adapter Plate | 200 Amps         | R1H200<br>R1H250<br>R1H300<br>R1HA             |

### Myers-Type Hubs③

| Description                      | Hub Dia. Inches | Zinc Cat. No. | Std. Pkg. Qty. |
|----------------------------------|-----------------|---------------|----------------|
| For use in special applications. | 3/4             | ST2           | 25             |

● 250V Switch  
② 600V Switch  
③ Minimum order; 1 Std. Pkg. or contact local distributor.

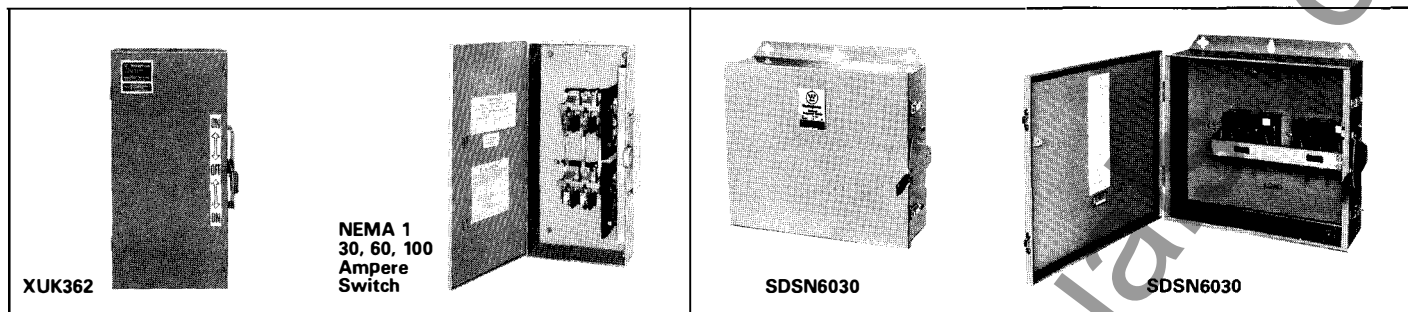
For price information see Price List 30-125.





## Double Throw Switches

## Motor Circuit Switches



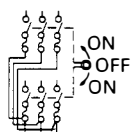
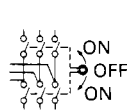
## Double Throw Switches

## Features – Specifications

- Cover interlock prevents door from opening when switch is energized
- Quick-make, quick-break operating mechanism
- Handle may be padlocked in top ON, neutral, or bottom ON positions
- All switches are UL Listed under File No. E5239 and are suitable for use as service entrance equipment.
- All comply with Federal specifications W-S-865c Type NDD

## Application Data

- Double throw switches are supplied from the factory to switch from a normal to an alternate power source. They can be field converted to switch from a normal to an alternate load from a single power source.

NEMA 3R  
FusibleNEMA 1  
Non-Fusible

Typical Schematic "Double Throw"

## Motor Circuit Switches

## Features – Specifications

- Insulated shield prevents accidental contact with line terminals
- Blades visible in open or closed position
- Cover interlock prevents cover from opening when switch is energized. Interlock release permits cover to be opened for switch inspection.
- Trunk-type latches keep cover tightly closed; provides an effective dust-resisting seal
- Over-center quick-make, quick-break switching mechanism prevents teasing of contacts
- Large wiring gutters facilitate wiring and provide easy access to terminals
- Handle can be padlocked in OFF position by up to three padlocks
- Cover can be padlocked in closed position
- Neoprene gasket seals out moisture and dust from switch assembly
- 6 Pole switches are listed under UL E-5189
- Fusible units not available

## Application Data

- Designed to meet the demands of heavy industry for a compact, non-fusible switch with visible contact disconnect. Provides an in-sight disconnect for two speed, 3ø motors which are remote from their motor control devices.

## Double Throw Safety Switches – 240V AC – 250V DC

| Poles                                                      | Amps | Cat. No. |                 | Approx. Wt. Lbs. | Horsepower Rating |       |         |       |    |
|------------------------------------------------------------|------|----------|-----------------|------------------|-------------------|-------|---------|-------|----|
|                                                            |      | NEMA 1   | NEMA 3R         |                  | 240V AC           |       | 250V DC |       |    |
|                                                            |      |          |                 |                  | Std.              | Max.  | 1ø      | 3ø    |    |
| Fusible – 3 Pole (use 3 pole for 2 pole applications)      |      |          |                 |                  |                   |       |         |       |    |
| 3-Pole                                                     | 30   | XFK321②  | RXFK321②        | 45               | 1 1/2             | 3     | 3       | 7 1/2 | 5  |
| 3-Wire                                                     | 60   | XFK322②  | RXFK322②        | 45               | 3                 | 7 1/2 | 10      | 15    | 10 |
|                                                            | 100  | XFK323②  | RXFK323②        | 47               | 7 1/2             | 15    | 15      | 30    | 20 |
|                                                            | 200  | XFK324②  | RXFK324②        | 110              | 15                | 25    | —       | 60    | 40 |
|                                                            | 400  | XFK325③  | —               | 230              | —                 | 50    | —       | 125   | 50 |
|                                                            | 600  | XFK326③  | —               | 325              | —                 | 75    | —       | —     | 50 |
| Non-Fusible – 3 Pole (use 3 pole for 2 pole applications)④ |      |          |                 |                  |                   |       |         |       |    |
| 3-Pole                                                     | 30   | XUK321   | —               | 33               | —                 | —     | 3       | 10    | 5  |
| 3-Wire                                                     | 60   | XUK322   | —               | 33               | —                 | —     | 10      | 20    | 10 |
|                                                            | 100  | XUK323   | Use 600V Switch | 33               | —                 | —     | —       | 40    | 20 |
|                                                            | 200  | XUK324   | —               | 74               | —                 | —     | 15      | —     | 40 |
|                                                            | 400  | XUK325   | —               | 128              | —                 | —     | —       | 125   | 50 |
|                                                            | 600  | XUK326   | —               | 175              | —                 | —     | —       | 125   | 50 |
|                                                            | 800  | XUK327   | —               | 175              | —                 | —     | —       | 125   | 50 |

## Double Throw Safety Switches – 600V AC

| Poles                 | Amps | Cat. No. |         | Approx. Wt. Lbs. | Horsepower Ratings |         |         |         |         |         |
|-----------------------|------|----------|---------|------------------|--------------------|---------|---------|---------|---------|---------|
|                       |      | NEMA 1   | NEMA 3R |                  | AC Std.            |         |         | AC Max. |         |         |
|                       |      |          |         |                  | 240V 3ø            | 480V 3ø | 600V 3ø | 240V 3ø | 480V 3ø | 600V 3ø |
| Fusible – 3 Pole      |      |          |         |                  |                    |         |         |         |         |         |
| 3-Pole                | 30   | XFK361 ② | —       | 44               | 3                  | 5       | 7 1/2   | 7 1/2   | 15      | 20      |
| 3-Wire                | 60   | XFK362②  | —       | 46               | 7 1/2              | 15      | 15      | 15      | 30      | 50      |
|                       | 100  | XFK363②  | —       | 46               | 15                 | 25      | 30      | 30      | 60      | 75      |
|                       | 200  | XFK364②  | —       | 105              | 25                 | 50      | 60      | 60      | 125     | 150     |
|                       | 400  | XFK365③  | —       | 230              | 50                 | 100     | 125     | 125 ①   | 250 ①   | 350 ①   |
| Non-Fusible – 3 Pole④ |      |          |         |                  |                    |         |         |         |         |         |
| 3-Pole                | 30   | XUK361   | RXUK361 | 33               | —                  | —       | —       | 10      | 20      | 30      |
| 3-Wire                | 60   | XUK362   | RXUK362 | 34               | —                  | —       | —       | 20      | 50      | 60      |
|                       | 100  | XUK363   | RXUK363 | 34               | —                  | —       | —       | 40      | 75      | 100     |
|                       | 200  | XUK364   | RXUK364 | 78               | —                  | —       | —       | 60      | 125     | 150     |
|                       | 400  | XUK365   | RXUK365 | 140              | —                  | —       | —       | 125     | 250     | 350     |
|                       | 600  | XUK366   | RXUK366 | 175              | —                  | —       | —       | 125     | 250     | 350     |
|                       | 800  | XUK367   | RXUK367 | 175              | —                  | —       | —       | 125     | 250     | 350     |

- ① These ratings apply only when J fuse kit catalog number DJ400JK is used.
- ② Rated 10,000 AIC max with Class H fuses or 100,000 AIC with Class R fuses and rejector kit.
- ③ Accepts 600V Class T fuses as standard and Class J fuses when used with kit no. DT400JK. Rated 100,000 AIC max.

- Rated 10,000 AIC max when protected by Class H fuses or 100,000 AIC max when protected by Class R, J or T fuses. Fuse ampere rating must not exceed switch ampere rating.

- ⑤ Accepts 300V Class T fuses only. Rated 100,000 AIC max.

## Rejector Kits

## Use with Double Throw Switches Only

Kits reject all fuses except Class R; one kit required per 3 pole switch. Class R fuses will fit in switch without using an "R" fuse kit.

| Description | Catalog Number |        |
|-------------|----------------|--------|
| Ampere      | Volts          |        |
| 30          | 240            | DS12FK |
| 30          | 600            | DS16FK |
| 60          | 240            | DS16FK |
| 60          | 600            | DS26FK |
| 100         | 240/600        | DS36FK |
| 200         | 240/600        | DS46FK |

"J" fuse kit (for Cat. No. XFK365 only)  
DT400JK

For Price Information see Price List 30-125

## Electrical Interlock Kits for 4 Pole Heavy Duty and Double Throw Switches

| Switch Type and Rating                  | Contacts               | Kit Catalog Number   |
|-----------------------------------------|------------------------|----------------------|
| Double Throw only 30-800A               | 1 NO (Control Pole)    | DS16P                |
| Double Throw 30-800A and 30-200A 4 Pole | 1 NO 1 NC<br>2 NO 2 NC | DS200EK1<br>DS200EK2 |

## Double Throw Switches

## Motor Circuit Switches

## Dimensional Data

### Double Throw Neutral Kits

| Switch Type and Ampere Rating | Neutral Kit Cat. No. | Neutral Kit Wire Range<br>60/75°C Cu/Al |
|-------------------------------|----------------------|-----------------------------------------|
| 30-100 Amps<br>200A           | <b>DT100NK</b>       | (1) #14-1/0                             |
| 400 & 600A Fusible            | <b>DT200NK</b>       | (1) #6-250 MCM                          |
| ④00A Non-Fusible              | <b>DS800NK</b>       | (2) #3/0-750 MCM                        |
| 600A Non-Fusible              | <b>DT400NK</b>       | (2) #6-250 MCM                          |
| 800A Non-Fusible              | <b>DT600NK</b>       | 250-500 MCM                             |
|                               |                      | —                                       |

## Double Throw Grounding Kits

|              |                |            |
|--------------|----------------|------------|
| 30-100 Amps  | <b>DS100GK</b> | #2-#14     |
| 200 Amps     | <b>DS200GK</b> | 1/0-#14    |
| 400-800 Amps | <b>DS468GK</b> | 250 MCM-#6 |

① DT600NK may also be used in 400A Non-Fusible switches when wire size exceeds 250 MCM

## Motor Circuit Switches

## 6 Pole Non-Fused Disconnect Complete

| Amps | Catalog Number  |                 |                 | Approx. Weight Lbs. |
|------|-----------------|-----------------|-----------------|---------------------|
|      | NEMA 1          | NEMA 3R         | NEMA 12         |                     |
| 30   | <b>SDSN6030</b> | <b>RDSN6030</b> | <b>JDSN6030</b> | 28                  |
| 60   | <b>SDSN6060</b> | <b>RDSN6060</b> | <b>JDSN6060</b> | 30                  |
| 100  | <b>SDSN6100</b> | <b>RDSN6100</b> | <b>JDSN6100</b> | 32                  |
| 200  | <b>SDSN6200</b> | <b>RDSN6200</b> | <b>JDSN6200</b> | 49                  |

Maximum H.P. Ratings 600 VAC 250 VDC

| Amps | 120 VAC | 240 VAC | 480 VAC | 600 VAC | 250 VDC |
|------|---------|---------|---------|---------|---------|
| 30   | 5       | 10      | 20      | 25      | 7½      |
| 60   | 10      | 20      | 40      | 60      | 15      |
| 100  | 15      | 30      | 75      | 75      | 25      |
| 200  |         | 60      | 100     | 100     | 40      |

② Permits field mounting of an auxiliary switch for separate control circuit applications. Each switch includes three soldered, identified leads.

## Motor Circuit Switches

Terminals are Suitable for  
Either Copper or Aluminum Cable

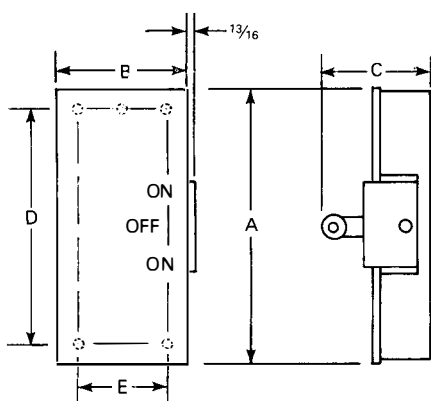
| Switch Rating | Wire Range |            |
|---------------|------------|------------|
|               | Copper     | Aluminum   |
| 30            | #14-#2     | #12-#2     |
| 60            | #14-#2     | #12-#2     |
| 100           | #14-1/0    | #12-1/0    |
| 200           | #4-300 MCM | #4-300 MCM |

## Auxiliary Switch Kits<sup>②</sup>

| Amp Rating<br>Switch Used<br>With | Contact<br>Arrangement | Kit Style No.     |
|-----------------------------------|------------------------|-------------------|
| 30, 60, 100                       | 1A, 1B                 | <b>178C265G05</b> |
| 200                               | 1A, 1B                 | <b>178C619G01</b> |
| 200                               | 2A's, 2B's             | <b>178C619G02</b> |

### Double Throw Safety Switches – NEMA 1 Indoor, NEMA 3R Outdoor

**Not to be used for construction purposes unless approved.** For additional dimensions, refer to the Distribution Service Center.



Note: (3) 1/4" Dia. mounting holes are provided on 30-100A switches and (4) 9/16" Dia. mounting holes are provided on 200-800A switches.

## Fusible Switches

| Catalog Number | Dimensions                     |                                 |                                |                                |                                | Conduit Sizes, Inches      |
|----------------|--------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|----------------------------|
|                | A                              | B                               | C                              | D                              | E                              |                            |
| XFK321         | 37                             | 11 <sup>5</sup> / <sub>16</sub> | 9 <sup>7</sup> / <sub>8</sub>  | 33 <sup>1</sup> / <sub>2</sub> | 9 <sup>1</sup> / <sub>4</sub>  | 1/2, 3/4, 1, 1 1/4, 1 1/2, |
| XFK322         | 37                             | 11 <sup>5</sup> / <sub>16</sub> | 9 <sup>7</sup> / <sub>8</sub>  | 33 <sup>1</sup> / <sub>2</sub> | 9 <sup>1</sup> / <sub>4</sub>  | 1/2, 3/4, 1, 1 1/4, 1 1/2, |
| XFK323         | 37                             | 11 <sup>5</sup> / <sub>16</sub> | 9 <sup>7</sup> / <sub>8</sub>  | 33 <sup>1</sup> / <sub>2</sub> | 9 <sup>1</sup> / <sub>4</sub>  | 1/2, 3/4, 1, 1 1/4, 1 1/2, |
| XFK324         | 51 <sup>3</sup> / <sub>8</sub> | 19 <sup>9</sup> / <sub>16</sub> | 11 <sup>1</sup> / <sub>4</sub> | 47                             | 16                             | 1 1/2, 2, 2 1/2            |
| XFK325         | 74 <sup>3</sup> / <sub>4</sub> | 25 <sup>3</sup> / <sub>8</sub>  | 14 <sup>1</sup> / <sub>2</sub> | 69 <sup>1</sup> / <sub>2</sub> | 20 1/4                         | No Knockouts               |
| XFK326         | 86 <sup>1</sup> / <sub>2</sub> | 27 <sup>7</sup> / <sub>8</sub>  | 14 <sup>1</sup> / <sub>2</sub> | 80 <sup>3</sup> / <sub>4</sub> | 22 <sup>1</sup> / <sub>4</sub> | No Knockouts               |
| XFK361         | 37                             | 11 <sup>5</sup> / <sub>16</sub> | 9 <sup>7</sup> / <sub>8</sub>  | 33 <sup>1</sup> / <sub>2</sub> | 9 <sup>1</sup> / <sub>4</sub>  | 1/2, 3/4, 1, 1 1/4, 1 1/2, |
| XFK362         | 37                             | 11 <sup>5</sup> / <sub>16</sub> | 9 <sup>7</sup> / <sub>8</sub>  | 33 <sup>1</sup> / <sub>2</sub> | 9 <sup>1</sup> / <sub>4</sub>  | 1/2, 3/4, 1, 1 1/4, 1 1/2, |
| XFK363         | 37                             | 11 <sup>5</sup> / <sub>16</sub> | 9 <sup>7</sup> / <sub>8</sub>  | 33 <sup>1</sup> / <sub>2</sub> | 9 <sup>1</sup> / <sub>4</sub>  | 1/2, 3/4, 1, 1 1/4, 1 1/2, |
| XFK364         | 51 <sup>3</sup> / <sub>8</sub> | 19 <sup>9</sup> / <sub>16</sub> | 11 <sup>1</sup> / <sub>4</sub> | 47                             | 16                             | 1 1/2, 2, 2 1/2            |
| XFK365         | 74 <sup>3</sup> / <sub>4</sub> | 25 <sup>3</sup> / <sub>8</sub>  | 14 <sup>1</sup> / <sub>2</sub> | 69 <sup>1</sup> / <sub>2</sub> | 20 1/4                         | No Knockouts               |
| RXFK321        | 37                             | 11 <sup>5</sup> / <sub>16</sub> | 9 <sup>1</sup> / <sub>8</sub>  | 33 <sup>1</sup> / <sub>2</sub> | 9 <sup>1</sup> / <sub>4</sub>  | 1/2, 3/4, 1, 1 1/4, 1 1/2, |
| RXFK322        | 37                             | 11 <sup>5</sup> / <sub>16</sub> | 9 <sup>1</sup> / <sub>8</sub>  | 33 <sup>1</sup> / <sub>2</sub> | 9 <sup>1</sup> / <sub>4</sub>  | 1/2, 3/4, 1, 1 1/4, 1 1/2, |
| RXFK323        | 37                             | 11 <sup>5</sup> / <sub>16</sub> | 9 <sup>1</sup> / <sub>8</sub>  | 33 <sup>1</sup> / <sub>2</sub> | 9 <sup>1</sup> / <sub>4</sub>  | 1/2, 3/4, 1, 1 1/4, 1 1/2, |
| RXFK324        | 51 <sup>3</sup> / <sub>8</sub> | 19 <sup>9</sup> / <sub>16</sub> | 11 <sup>1</sup> / <sub>4</sub> | 47                             | 16                             | 1 1/2, 2, 2 1/2            |

### Non-Fusible Switches

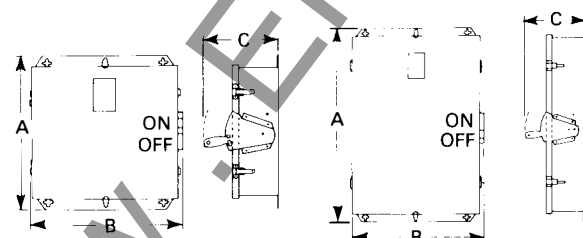
| Catalog Number | Dimensions                     |                                 |                               |                                |                               | Conduit Sizes, Inches        |
|----------------|--------------------------------|---------------------------------|-------------------------------|--------------------------------|-------------------------------|------------------------------|
|                | A                              | B                               | C                             | D                              | E                             |                              |
| XUK321         | 25                             | 11 <sup>5</sup> / <sub>16</sub> | 9 <sup>7</sup> / <sub>8</sub> | 21 <sup>1</sup> / <sub>2</sub> | 9 <sup>1</sup> / <sub>4</sub> | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 |
| XUK322         | 25                             | 11 <sup>5</sup> / <sub>16</sub> | 9 <sup>7</sup> / <sub>8</sub> | 21 <sup>1</sup> / <sub>2</sub> | 9 <sup>1</sup> / <sub>4</sub> | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 |
| XUK323         | 25                             | 11 <sup>5</sup> / <sub>16</sub> | 9 <sup>7</sup> / <sub>8</sub> | 21 <sup>1</sup> / <sub>2</sub> | 9 <sup>1</sup> / <sub>4</sub> | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 |
| XUK324         | 37 <sup>7</sup> / <sub>8</sub> | 19 <sup>9</sup> / <sub>16</sub> | 11 1/4                        | 33 <sup>1</sup> / <sub>2</sub> | 16                            | 1 1/2, 2, 2 1/2              |
| XUK325         | 54 1/4                         | 23 1/8                          | 12 1/2                        | 49                             | 18                            | No Knockouts                 |
| XUK326         | 63 3/4                         | 24 1/8                          | 14 1/8                        | 58 1/2                         | 19                            | No Knockouts                 |
| XUK327         | 63 3/4                         | 24 1/8                          | 14 1/8                        | 58 1/2                         | 19                            | No Knockouts                 |
| XUK361         | 25                             | 11 <sup>5</sup> / <sub>16</sub> | 9 <sup>7</sup> / <sub>8</sub> | 21 <sup>1</sup> / <sub>2</sub> | 9 <sup>1</sup> / <sub>4</sub> | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 |
| XUK362         | 25                             | 11 <sup>5</sup> / <sub>16</sub> | 9 <sup>7</sup> / <sub>8</sub> | 21 <sup>1</sup> / <sub>2</sub> | 9 <sup>1</sup> / <sub>4</sub> | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 |
| XUK363         | 25                             | 11 <sup>5</sup> / <sub>16</sub> | 9 <sup>7</sup> / <sub>8</sub> | 21 <sup>1</sup> / <sub>2</sub> | 9 <sup>1</sup> / <sub>4</sub> | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 |
| XUK364         | 37 <sup>7</sup> / <sub>8</sub> | 19 <sup>9</sup> / <sub>16</sub> | 11 1/4                        | 33 <sup>1</sup> / <sub>2</sub> | 16                            | 1 1/2, 2, 2 1/2              |
| XUK365         | 54 1/4                         | 23 1/8                          | 12 1/2                        | 49                             | 18                            | No Knockouts                 |
| XUK366         | 63 3/4                         | 24 1/8                          | 14 1/8                        | 58 1/2                         | 19                            | No Knockouts                 |
| XUK367         | 63 3/4                         | 24 1/8                          | 14 1/8                        | 58 1/2                         | 19                            | No Knockouts                 |
| RXUK361        | 25                             | 11 <sup>5</sup> / <sub>16</sub> | 9 <sup>7</sup> / <sub>8</sub> | 21 <sup>1</sup> / <sub>2</sub> | 9 <sup>1</sup> / <sub>4</sub> | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 |
| RXUK362        | 25                             | 11 <sup>5</sup> / <sub>16</sub> | 9 <sup>7</sup> / <sub>8</sub> | 21 <sup>1</sup> / <sub>2</sub> | 9 <sup>1</sup> / <sub>4</sub> | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 |
| RXUK363        | 25                             | 11 <sup>5</sup> / <sub>16</sub> | 9 <sup>7</sup> / <sub>8</sub> | 21 <sup>1</sup> / <sub>2</sub> | 9 <sup>1</sup> / <sub>4</sub> | 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 |
| RXUK364        | 37 <sup>7</sup> / <sub>8</sub> | 19 <sup>9</sup> / <sub>16</sub> | 11 1/4                        | 33 <sup>1</sup> / <sub>2</sub> | 16                            | 1 1/2, 2, 2 1/2              |
| RXUK365        | 54 1/4                         | 23 1/8                          | 12 1/2                        | 49                             | 18                            | No Knockouts                 |
| RXUK366        | 64                             | 24 1/8                          | 14 1/8                        | 58 1/2                         | 19                            | No Knockouts                 |
| RXUK367        | 64                             | 24 1/8                          | 14 1/8                        | 58 1/2                         | 19                            | No Knockouts                 |

### Motor Circuit Switches – 6 Pole Non-Fused Disconnect Complete

6 Pole Units – 30, 60,  
100 amperes

6 Pole Units – 200 amperes

### 6 Pole Units – 30, 60, 100 Amperes



| Enclosure<br>Type                 | Dimensions – Inches and MM      |     |                                 |     |                                 |     |
|-----------------------------------|---------------------------------|-----|---------------------------------|-----|---------------------------------|-----|
|                                   | A                               |     | B                               |     | C                               |     |
|                                   | In.                             | MM  | In.                             | MM  | In.                             | MM  |
| <b>NEMA 1</b>                     | 18¾                             | 476 | 18½                             | 470 | 8 <sup>15</sup> / <sub>16</sub> | 227 |
| <b>NEMA 3R</b>                    | 18¾                             | 476 | 18½                             | 470 | 8 <sup>15</sup> / <sub>16</sub> | 227 |
| <b>NEMA 12</b>                    | 18¾                             | 476 | 18½                             | 470 | 8 <sup>15</sup> / <sub>16</sub> | 227 |
| <b>6 Pole Units – 200 Amperes</b> |                                 |     |                                 |     |                                 |     |
| <b>NEMA 1</b>                     | 31 <sup>7</sup> / <sub>16</sub> | 799 | 21 <sup>1</sup> / <sub>16</sub> | 545 | 9¾                              | 248 |
| <b>NEMA 3R</b>                    | 31 <sup>7</sup> / <sub>16</sub> | 799 | 21 <sup>1</sup> / <sub>16</sub> | 545 | 9¾                              | 248 |
| <b>NEMA 12</b>                    | 31 <sup>7</sup> / <sub>16</sub> | 799 | 21 <sup>1</sup> / <sub>16</sub> | 545 | 9¾                              | 248 |

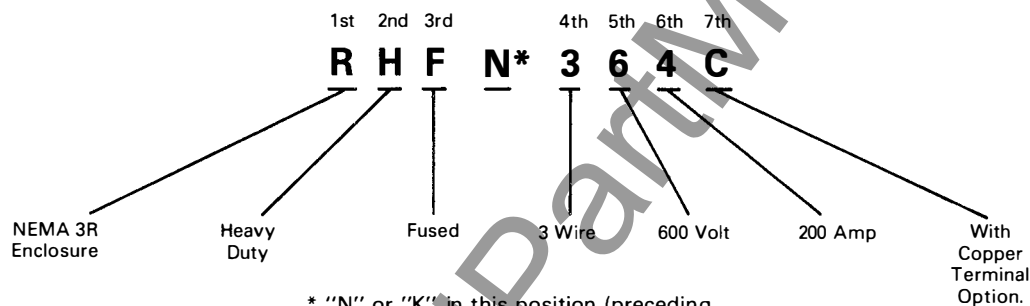
**All products in this catalog meet the new wire bending space requirements as identified in 1990 NEC Section 373-6 (b).**

## Safety Switches Motor Circuit Switches

### Safety Switch Catalog Number Interpretation Data:

| 1st       | 2nd          | 3rd        | 4th    | 5th     | 6th     | 7th       |
|-----------|--------------|------------|--------|---------|---------|-----------|
| Enclosure | Type         | Protection | Wires  | Voltage | Current | Options①  |
| NEMA 1    | Plug Fuse    | P          | 2 Wire | 250V    | 2       | 30A - 1   |
| NEMA 3R   | Gen. Duty    | G          | 3 Wire | 600V    | 6       | 60A - 2   |
| NEMA 4/4X | Heavy Duty   | H          | 4 Wire |         |         | 100A - 3  |
| NEMA 12   | Double Throw | X          |        |         |         | 200A - 4  |
|           |              |            |        |         |         | 400A - 5  |
|           |              |            |        |         |         | 600A - 6  |
|           |              |            |        |         |         | 800A - 7  |
|           |              |            |        |         |         | 1200A - 8 |

① Factory assembled options are available on special order with List Price Adder. Options marked with (+) are available as field installed accessory kits.



\* "N" or "K" in this position (preceding numbers) indicates compliance with 1990 NEC Section 373-6 (b) for wire bending space.

| NEMA ENCLOSURE TYPE | DEFINITIONS<br>NEMA Standard 1-10-1979                                                                                                                                                           |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                   | Type 1 enclosures are intended for indoor use primarily to provide a degree of protection against contact with the enclosed equipment.                                                           |
| 3R                  | Type 3R enclosures are intended for outdoor use primarily to provide a degree of protection against falling rain, sleet, and external ice formation.                                             |
| 12                  | Type 12 enclosures are intended for indoor use primarily to provide a degree of protection against dust, falling dirt, and dripping noncorrosive liquids.                                        |
| 4                   | Type 4 enclosures are intended for indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, and hose-directed water.                  |
| 4X                  | Type 4X enclosures - same as Type 4 except they also provide a degree of protection against corrosion and must have enclosures fabricated from stainless steel, polymers or equivalent material. |

**Note:** Above information is for identification purposes only. Do not use to construct catalog numbers not listed in this catalog.

Westinghouse Electric Corporation  
Distribution and Control Business Unit  
Standard Distribution Products Division  
Pittsburgh, Pennsylvania, U.S.A. 15220