

# Heavy Duty Safety Switches

Special Application Safety Switches / Type VBII Non-Metallic & 316 Grade Stainless Steel

## Application

Siemens Non-metallic and 316 grade stainless steel switches provide a superior level of corrosion resistance to assure trouble free performance in the most severe conditions. 316 grade stainless steel provides increased corrosion resistance when compared to 304 grade, especially in atmospheres containing a high level of chlorine commonly encountered in marine and waste management applications. Our non-metallic enclosures are constructed from fiberglass reinforced polyester and are extremely resistant to a wide range

of corrosive atmospheres. They allow a wide range of operating temperatures and their insulating properties virtually eliminate problems caused by internal condensation.

## Description

30-200A, 600V Max, fusible and non-fusible switches are available in both non-metallic and 316 grade stainless steel versions. All are supplied with factory installed ground bars as standard. Viewing windows are also available in the stainless offering.



## Type 4/4X Non-Metallic

| Ampere<br>Rating                                                            | Catalog<br>Number     | Ship Weight<br>Std. pkg.<br>(lbs.) | Horsepower Rating—3-Phase |      |             |      |             |      | 250<br>Volts<br>DC | 600<br>Volts<br>DC |
|-----------------------------------------------------------------------------|-----------------------|------------------------------------|---------------------------|------|-------------|------|-------------|------|--------------------|--------------------|
|                                                                             |                       |                                    | 240 Volt AC               |      | 480 Volt AC |      | 600 Volt AC |      |                    |                    |
|                                                                             |                       |                                    | Std.                      | Max. | Std.        | Max. | Std.        | Max. |                    |                    |
| 3-Pole, 4-Wire, 240 Volt Fusible, Type 4X <sup>⑤</sup>                      |                       |                                    |                           |      |             |      |             |      |                    |                    |
| 30                                                                          | HF321NX               | 21                                 | 3                         | 7½   | —           | —    | —           | —    | 5                  | —                  |
| 60                                                                          | HF322NX▲              | 22                                 | 7½                        | 15   | —           | —    | —           | —    | 10                 | —                  |
| 3-Pole, 4-Wire, 600 Volt AC Fusible, Type 4X <sup>②③⑤</sup>                 |                       |                                    |                           |      |             |      |             |      |                    |                    |
| 30                                                                          | HF361NX               | 21                                 | 3                         | 7½   | 5           | 15   | 7½          | 20   | 5                  | 15 <sup>④</sup>    |
| 60                                                                          | HF362NX               | 22                                 | 7½                        | 15   | 15          | 30   | 15          | 50   | 10                 | 30 <sup>④</sup>    |
| 100                                                                         | HF363NX▲ <sup>①</sup> | 39                                 | 15                        | 30   | 25          | 60   | 30          | 75   | 20                 | 50 <sup>④</sup>    |
| 200                                                                         | HF364NX▲ <sup>①</sup> | 83                                 | 25                        | 60   | 50          | 125  | 60          | 150  | 40                 | 50                 |
| 3-Pole, 3-Wire, 600 AC Volt Non-Fusible, <sup>①</sup> Type 4X <sup>②③</sup> |                       |                                    |                           |      |             |      |             |      |                    |                    |
| 30                                                                          | HNF361X               | 20                                 | —                         | 7½   | —           | 20   | —           | 30   | 5                  | 15 <sup>④</sup>    |
| 60                                                                          | HNF362X               | 20                                 | —                         | 15   | —           | 50   | —           | 60   | 10                 | 30 <sup>④</sup>    |
| 100                                                                         | HNF363X▲              | 38                                 | —                         | 30   | —           | 75   | —           | 100  | 20                 | 50 <sup>④</sup>    |
| 200                                                                         | HNF364X▲              | 81                                 | —                         | 60   | —           | 125  | —           | 150  | 40                 | 50                 |

## Type 4/4X 316 Grade Stainless Steel

| Ampere Rating                                              | Standard       | With Viewing Window | Ship Weight (lbs.) | Horsepower Rating—3-Phase |      |             |      |             |      | 250 Volts DC | 600 Volts DC    |
|------------------------------------------------------------|----------------|---------------------|--------------------|---------------------------|------|-------------|------|-------------|------|--------------|-----------------|
|                                                            | Catalog Number | Catalog Number      |                    | 240 Volt AC               |      | 480 Volt AC |      | 600 Volt AC |      |              |                 |
|                                                            |                |                     |                    | Std.                      | Max. | Std.        | Max. | Std.        | Max. |              |                 |
| 240V AC, 250V DC Fusible 3-Pole, 3-Wire                    |                |                     |                    |                           |      |             |      |             |      |              |                 |
| 30                                                         | HF321SS▲       | —                   | 15                 | 3                         | 7½   | —           | —    | —           | —    | 5            | —               |
| 60                                                         | HF322SS▲       | —                   | 19                 | 7½                        | 15   | —           | —    | —           | —    | 10           | —               |
| 100                                                        | HF323SS▲       | —                   | 27                 | 15                        | 30   | —           | —    | —           | —    | 20           | —               |
| 200                                                        | HF324SS▲       | —                   | 48                 | 25                        | 60   | —           | —    | —           | —    | 40           | —               |
| 600V AC, 250V DC Fusible 3-Pole, 3-Wire <sup>③</sup>       |                |                     |                    |                           |      |             |      |             |      |              |                 |
| 30                                                         | HF361SS        | HF361SSW            | 17                 | 3                         | 7½   | 5           | 15   | 7½          | 20   | 5            | —               |
| 60                                                         | HF362SS        | HF362SSW▲           | 21                 | 7½                        | 15   | 10          | 30   | 15          | 50   | 10           | 30 <sup>④</sup> |
| 100                                                        | HF363SS        | HF363SSW▲           | 28                 | 15                        | 30   | 25          | 60   | 30          | 75   | 20           | 50 <sup>④</sup> |
| 200                                                        | HF364SS        | HF364SSW▲           | 54                 | 25                        | 60   | 50          | 125  | 60          | 150  | 40           | 50              |
| 600V AC, 250 V DC Non-Fusible 3-Pole, 3-Wire <sup>①③</sup> |                |                     |                    |                           |      |             |      |             |      |              |                 |
| 30                                                         | HNF361SS       | HNF361SSW           | 15                 | —                         | 10   | —           | 20   | —           | 30   | 5            | —               |
| 60                                                         | HNF362SS       | HNF362SSW▲          | 21                 | —                         | 20   | —           | 50   | —           | 60   | 10           | 30 <sup>④</sup> |
| 100                                                        | HNF363SS       | HNF363SSW▲          | 26                 | —                         | 40   | —           | 75   | —           | 100  | 20           | 50 <sup>④</sup> |
| 200                                                        | HNF364SS       | HNF364SSW▲          | 51                 | —                         | 60   | —           | 125  | —           | 150  | 40           | 50              |

▲ Built to order. Allow 6-8 weeks for delivery.

① Also used for 240 volt applications.

③ Add "L" to end of catalog number for switches less line & load lugs with mounting hardware for crimp type or copper body lugs.

⑤ 200A switches are also rated 600V DC max.

④ 600V DC voltage and horsepower rating shown requires (2) poles to be connected in series.

⑤ Supplied with factory installed neutral.

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