

Heavy Duty Safety Switch Type VBII, 30 Amp, Type 12 (Industrial)

Standards and Ratings

- UL Listed under file #E4776
- Meets UL98 for switches and UL 50 for enclosures
- Meets NEMA Standard KS-1 for enclosed switches
- Meets NEC wire bending space requirements
- Rated 10,000 AIC with Class H fuses or 200,000 AIC with Class R and J fuses
- Rated 100,000 AIC at 600Vdc with Class R or J fuses
- I²t rated (Amps² x Seconds = 50,000)
- 12X overload current rating exceeds 10X industry standard
- Suitable for use as service entrance equipment

Features

- Quick-make and break switching action
- Double break visible blade design
- Highly visible ON/OFF indication
- Rugged installer friendly enclosure design
- Modular design allows quick and easy replacement of parts
- Front removable lugs which can easily be converted to copper body or compression type lugs
- Defeatable dual cover interlock

General Information

| Catalog Number | Volts | Description | Shipping Weight (lbs.) |
|-------------------|-------|-------------------------|---------------------------|
| HF221J | 240 | 2 Pole, 2 Wire, Fusible | 13 |
| HF321J | 240 | 3 Pole, 3 Wire, Fusible | 14 |
| HF261J | 600 | 2 Pole, 2 Wire, Fusible | 15 |
| HF361J | 600 | 3 Pole, 3 Wire, Fusible | 14 |

Horsepower Ratings 23 - 240 Volts

| Catalog | 1 Phase, 240V AC | | 3 Phase, 240V AC | | 250V |
|---------|------------------|-----|------------------|------|------|
| Number | Std | Max | Std | Max | DC |
| HF221J | 11/2 | 3 | 3 | 71/2 | 5 |
| HF321J | 11/2 | 3 | 3 | 71/2 | 5 |

Horsepower Ratings 2 3 4 - 600 Volts

| Catalog | 3 Phase, 480V AC | | 3 Phase, 600V AC | | 600V | |
|---------|------------------|-----|------------------|-----|------|--|
| Number | Std | Max | Std | Max | DC | |
| HF261J | _ | 5 | _ | 5 | 15 | |
| HF361J | 5 | 15 | 71/2 | 20 | _ | |

Mechanical Lug Wire Ranges (60/75°C, Cu/Al)

| Description | Wire Range |
|-------------|-------------------|
| Line, Load | #12-6 AWG (AI) or |
| Neutral | #14-6 AWG (Cu) |
| Ground | #14-4 AWG |

- 1 Also rated 3R/3S for outdoor use.
- ² Dual horsepower ratings: Std applies when non-time delay fuses are installed. Max applies when time-delay fuses are installed.
- 3 Horsepower ratings listed also apply to Design E motors with no derating.
- 4 Also rated 5HP at 250V DC.
- 5 Also rated $7\,{}^{1\!\!}{}^{\prime}{}_{2}$ HP at 480V, 1 phase and 10HP at 600V, 1 phase.

Product Specification Sheet HD30.3

Answers for industry.

SIEMENS

Product Specification Sheet #HD30.3 (page 2 of 2)

Accessories

| Catalog Number | Description |
|----------------|---|
| HA161234 | One Normally Open and Closed Auxiliary Switches |
| HA261234 | Two Normally Open and Closed Auxiliary Switches |
| HA361234 | Low Voltage Auxiliary Switch |
| HG61234 | Equipment Ground Lug Kit |
| HG261234 | Isolated Equipment Ground Lug Kit |
| HP61 | Fuse Puller (3 per kit) |
| HN612 | Neutral Kit |
| HR21 | 240 Volt Class R Fuse Clip Kit (3 fuse clips per kit) |
| | (HF221J, HF321J) |
| HR612 | 600 Volt Class R Fuse Clip Kit (3 fuse clips per kit) |
| | (HF261J, HF361J) |
| HLC612 | Copper Lug Kit (9 lugs per kit) |
| HCL612 | Compression Lug Neutral Barrier Kit |
| SSH100 | 1.00" Type 12 Hub |

Replacement Parts

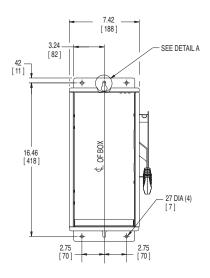
| Catalog Number | Description |
|-------------------|--|
| HFB21 | 240 Volt Line Side Replacement Base (HF221J, HF321J) |
| HBB21 | 240 Volt Load Side Replacement Base (HF221J, HF321J) |
| HFB612 | 600 Volt Line Side Replacement Base (HF261J, HF361J) |
| HBB612 | 600 Volt Load Side Replacement Base (HF261J, HF361J) |
| HH6123 | Replacement Handle/Handle Guard |
| HL612 | Replacement Lugs (3 lugs per kit) |
| HM6123 | Replacement Mechanism |
| 1 | Replacement Door |

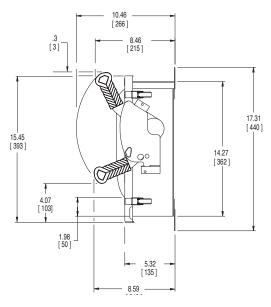
Compression Lugs 2

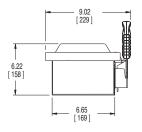
| Wire | Burndy | | Thomas-Betts | | Ilsco | |
|--------|---------------------------|-------|----------------|-------------------------|---------|----------------|
| Size | CU Only | CU/AL | CU Only | CU/AL | CU Only | CU/AL |
| #14-10 | | | | 60096 60097 | | |
| #8 | YA8C-L BOX YA8C-L1 BOX | | 54104 54130 | 60101 60102 61102 | CRA-8 | ACL-8 ACN-8 |
| #6 | | | | 61107 | | |

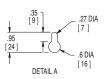
¹ Place "DOOR" at the end of the switch catalog number.

Dimension Drawing









No knockouts in the enclosure. Dimensions shown in inches and millimeters (). Dimension shown accurate to $\pm\,1\%$ inch.

| | LINE SIDE WIRE BEND | LOAD SIDE WIRE BEND |
|------|------------------------|------------------------|
| 240V | 3.02 (77) | 5.36 (136) |
| 600V | 3.02 (77) | 2.61 (66) |

Enclosure: Galvanized Steel .054 Thick (17 Gauge) Finish: ANSI Grey #61 Paint

² If compression lugs are used for the neutral, order compression lug neutral barrier kit HCL612.