SIEMENS

Data Sheet

# VBII Heavy Duty Safety Switch

## 1200A – 240-600V, Type 3R

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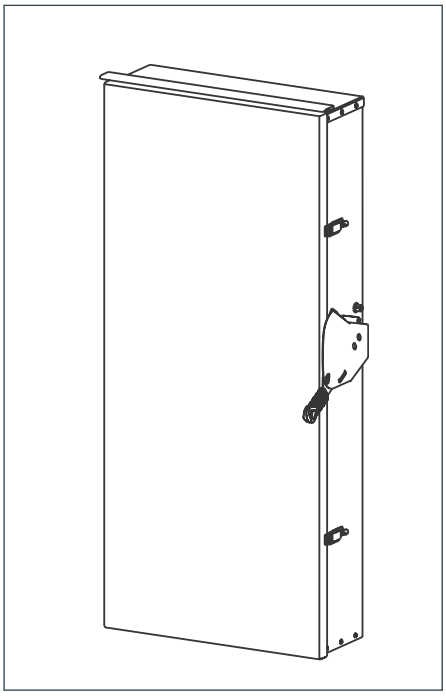


### Standards and Ratings

- 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 20,000 AIC as standard with Class L or T fuses
- Suitable for use as service entrance equipment

### Features

- Quick-make and break switching action
- Visible blade design
- Highly visible ON/OFF indication
- Rugged installer friendly enclosure design
- Modular design allows quick and easy replacement of parts
- Defeatable dual cover interlock
- Viewing windows for "Off" visual confirmation with door closed

# Product Specifications

**Heavy Duty 1200A, 240-600V Type 3R**

## General Information

| Catalog Number | Volts | Description | Shipping Weight (lbs.) |
|---|---|---|---|
| HF228NR [1] | 240 | 2 Pole, 3 Wire, Fusible | 364 |
| HF328NR | 240 | 3 Pole, 4 Wire, Fusible | 387 |
| HF368R | 600 | 3 Pole, 3 Wire, Fusible | 385 |
| HF368NR | 600 | 3 Pole, 4 Wire, Fusible | 388 |
| HF368NRW [2] | 600 | 3 Pole, 3 Wire, Fusible, Viewing Window | 385 |

## Horsepower Ratings [3] – 240 Volts

| Catalog Number | 3 Phase, 240V AC | | 3 Phase, 480V AC | | 250V DC |
|---|---|---|---|---|---|
| | Std | Max | Std | Max | |
| HF228NR | — | — | 100 | 250 | — |
| HF328NR | — | — | 100 | 250 | — |

## Horsepower Ratings [3] – 600 Volts

| Catalog Number | 3 Phase, 240V AC | | 3 Phase, 480V AC | | 250V DC |
|---|---|---|---|---|---|
| | Std | Max | Std | Max | |
| HF368R | 200 | 500 | 250 | 500 | — |
| HF368NR | 200 | 500 | 250 | 500 | — |
| HF368NRW | 200 | 500 | 250 | 500 | — |

## Mechanical Lug Wire Range (75°C, Cu/Al)

| Description | Wire Range |
|---|---|
| Line, Load | (4) 1/0 AWG - 750 Kcmil |
| Neutral | (4) 1/0 AWG - 750 Kcmil |
| Ground | (4) #6 AWG - 250 Kcmil |

## Accessories

| Catalog Number | Description |
|---|---|
| HA165678 | One Normally Open and Closed Auxiliary Switches |
| HA265678 | Two Normally Open and Closed Auxiliary Switches |
| HA365678 | Low Voltage Auxiliary Switch |
| HG678 | Equipment Ground Lug Kit (factory installed) |
| HN678 | Neutral Kit |
| TFAK82 | 240V Class T Fuse Mounting Kit (1 per pole) |
| [4] | Copper Lug Kit (1 lug per kit) |
| [5] | Compression Lug Mounting Kit (2 kits/pole required allows (4) lugs/Ø) |
| HV250 | 2.50" Type "HV" Outdoor Hub |
| HV300 | 3.00" Type "HV" Outdoor Hub |
| HV350 | 3.50" Type "HV" Outdoor Hub |
| HV400 | 4.00" Type "HV" Outdoor Hub |

## Replacement Parts

| Catalog Number | Description |
|---|---|
| HFB68 [6 7] | Fusible Line Side Replacement Base |
| HBB68 [6 7] | Fusible Load Side Replacement Base |
| HH68 | Replacement Handle/Handle Guard |
| HM678 | Replacement Mechanism |
| [8] | Replacement Door |

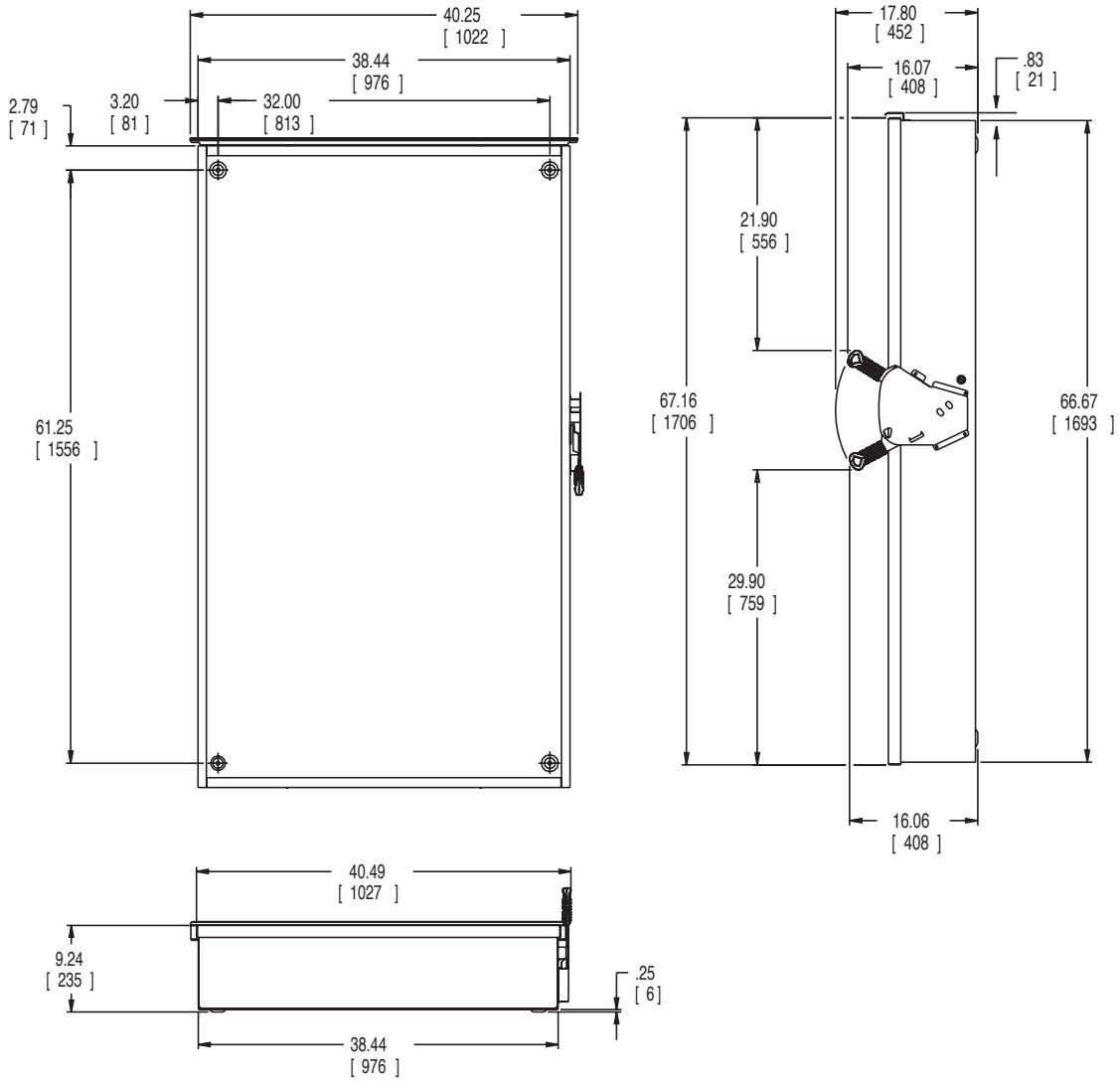
## Compression Lugs (Factory Installed mounting kit HCL68T for top and HCL68T for bottom required)

| Wire Size | Burndy | | Thomas-Betts | | Ilsco | |
|---|---|---|---|---|---|---|
| | CU Only | CU/AL | CU Only | CU/AL | CU Only | CU/AL |
| 2/0 | YA26-N | YA26-A1 | 54160<br>54951BE | — | — | IACL-2/0<br>ACN-2/0 |
| 3/0 | YA27-L Box<br>YA27 | YA27A3 | 54165-TB<br>54965BE | — | CRB-3/0<br>CRB-3/0L | IACL-3/0<br>ACN-3/0 |
| 4/0 | YA28-L Box<br>YA28 | YA28A3 | 54170<br>54970BE | 60150 | CRB-4/0<br>CRB-4/0L | IACL-4/0<br>ACN-4/0 |
| 250 Kcmil | YA29-L Box<br>YA29 | YA29A1 | 54113<br>54913BE | 61156<br>60156 | CRA-250<br>CRA-250L | IACL-250<br>ACL-250 |
| 300 Kcmil | YA30-L<br>YA30 | YA30A1 | 54114<br>54914BE | 61162<br>60162 | CRA-300<br>CRA-300L | IACL-300<br>ACL-300 |
| 350 Kcmil | YA31-L<br>YA31 | YA31A1 | 54915BE | 61165<br>60165 | CRA-350<br>CRA-350L | IACL-350<br>ACL-350 |
| 400 Kcmil | YA32-N | — | 54116<br>54916BE | — | — | — |
| 500 Kcmil | YA34-L6<br>YA34-N | — | — | 61171 | — | IACL-500 |

1 These switches are UL Listed for application on grounded B phase systems.
2 "W" in catalog number suffix indicates switch with Viewing windows.
3 Dual horsepower ratings: Std - applies when non-time delay fuses are installed.
Max - applies when time-delay fuses are installed.
4 Catalog number HLC65678 factory installed only.
5 Catalog number HCL65678 factory installed only.
6 Each Line and Load Replacement Base contains one pole.
7 Lugs are provided on the Replacement Base Assembly.
8 Place "DOORA" at the end of the switch catalog number.

# Dimension Drawings

## Heavy Duty 1200A, 240-600V Type 3R




No knockouts in enclosure.
Dimensions show in inches and millimeters( ).
Dimension shown accurate to ± ⅛ inch.

| | LINE SIDE WIRE BEND | LOAD SIDE WIRE BEND |
|---|---|---|
| 240V fused | 22 (559) | 22 (559) |
| 600V fused | 22 (559) | 22 (559) |

Enclosure: Galvanized Steel
Box .093 Thick (12 Gauge)
Cover .123 Thick (10 Gauge)
Finish: ANSI #61 Grey Paint

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