

600V DC Solar Photovoltaic Switches Type VBII, 60 Amp, Type 1 (Indoor)

Standards and Ratings

- UL Listed and specifically designed and tested for use with three separate 600V DC circuits
- Specific catalog numbers are available for use with negative and for positive ground system
- Switches comply with UL98 requirements and are UL listed in file number E335018 as UL1741 Photovoltaic Disconnect switches
- Door labeling as required by Article 690 of the NEC supplied as standard
- Rated 10,000 AIC when protected by Class K, J or R fuses rated at 600V DC
- UL approved for field installation of optional copper body and crimp type terminals

Features

- Innovative magnetic arc suppression incorporated into the line base
- Quick-make and break switching action
- Double break visible blade design
- Highly visible ON/OFF indication
- Rugged installer friendly enclosure design
- Front removable line and load lugs which can easily be converted to copper body or compression type lugs
- Defeatable dual cover interlock
- Ground bar factory installed as standard
- Two and 3 point mounting provisions are standard
- Large wire gutters and oversized lugs allow for larger cables to minimize voltage drop on long cable runs

General Information

| Catalog Number | Volts DC | Description | Shipping Weight (lbs.) | Rated Isc per NEC Article 690 |
|------------------------|----------|-----------------------------|------------------------|-------------------------------|
| Negative Ground | | | | |
| HF362PV | 600 | 3 Pole, 3 Wire, Fusible | 20 | 38.4A |
| HNF362PV | 600 | 3 Pole, 3 Wire, Non-Fusible | 19 | 48.0A |
| Positive Ground | | | | |
| HF362PVPG | 600 | 3 Pole, 3 Wire, Fusible | 20 | 38.4A |
| HNF362PVPG | 600 | 3 Pole, 3 Wire, Non-Fusible | 19 | 48.0A |

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 |
| HG261234 | Isolated Equipment Ground Lug Kit |
| HP62 | Fuse Puller (3 per kit) |
| HN623 | Neutral Kit |
| HR62 | 600 Volt Class R Fuse Clip Kit (3 fuse clips per kit) |
| HLC612 | Copper Lug Kit (9 lugs per kit) |
| HCL623 | Compression Lug Neutral Barrier Kit |

Replacement Parts

| Catalog Number | Description |
|----------------|---|
| HBB62 | Fusible 600 Volt Load Side Replacement Base |
| HH6123 | Replacement Handle/Handle Guard |
| HL612 | Replacement Lugs (3 lugs per kit) |
| HM6123 | Replacement Mechanism |

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

| Description | Wire Range |
|-------------|-------------------|
| Line, Load | #12-2 AWG (Al) or |
| Neutral | #14-2 AWG (Cu) |
| Ground | #14-4 AWG |

Product Specification Sheet HD60.17

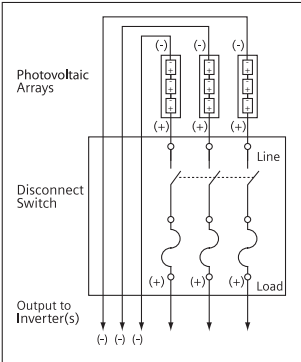
Product Specification Sheet #HD60.17 (page 2 of 2)

Compression Lugs

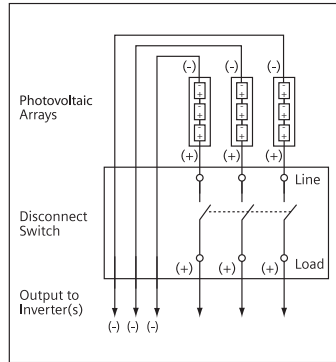
| Wire Size | Burdny | | Thomas-Betts | | IlSCO | |
|-----------|-------------|--------|----------------|-------|---------|-------|
| | CU Only | CU/AL | CU Only | CU/AL | CU Only | CU/AL |
| #14-10 | | | 256-30695-1352 | 60097 | | |
| #8 | YA8C-L1 BOX | YA8CA3 | 54130 | 60102 | | ACL-8 |
| | YA8C-TC14 | | 54930BE | 61102 | | |
| #6 | YA6C-L BOX | YA6CA1 | 54105 | 60107 | CRB-6 | ACL-6 |
| | YA6C | | 54905BE | 61107 | CRB-6L | |
| #4 | | | 54106 | 61112 | CRB-4 | |

Wiring Diagrams

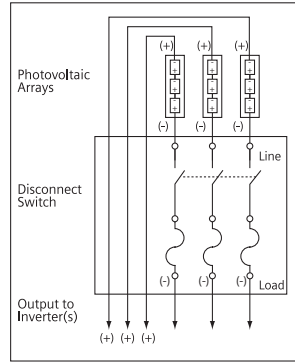
For negative ground PV systems
HF362PV



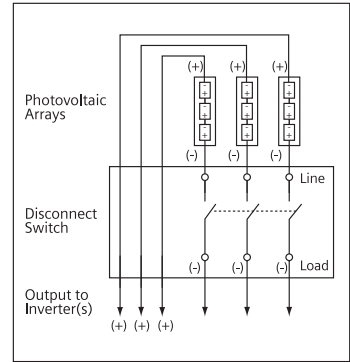
HNF362PV



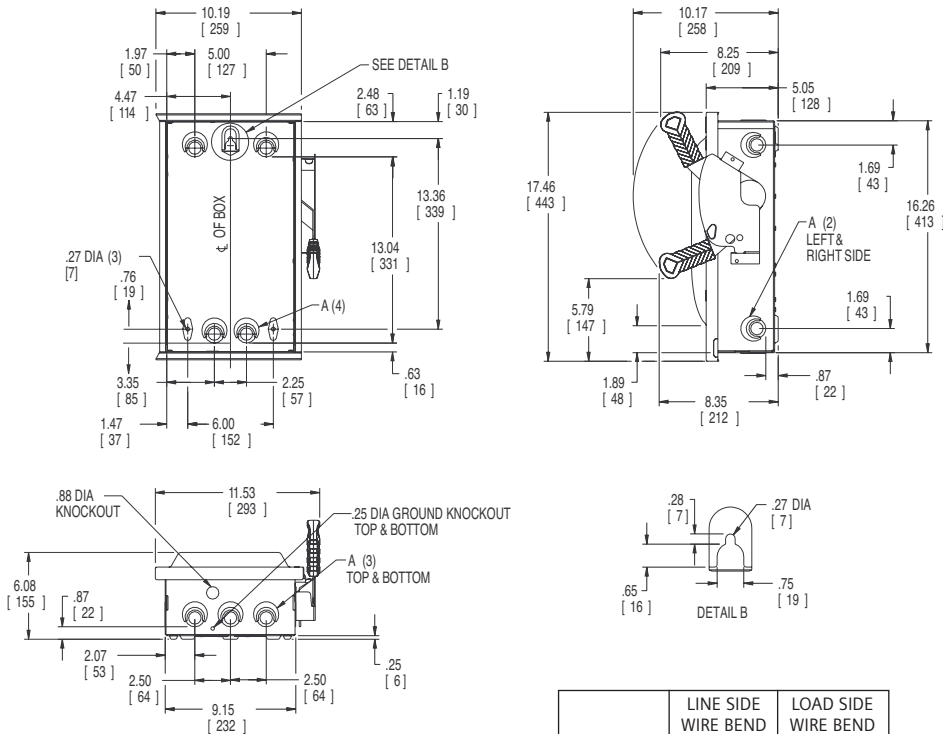
For positive ground PV systems
HF362PVPG



HNF362PVPG



Dimension Drawing



| | LINE SIDE WIRE BEND | LOAD SIDE WIRE BEND |
|------------|---------------------|---------------------|
| 240V Fused | 3.54 (90) | 6.07 (154) |
| 600V Fused | 3.54 (90) | 3.57 (91) |
| Non-Fused | 3.54 (90) | 8.68 (220) |

Dimensions shown in inches and millimeters ().
Dimension shown accurate to $\pm \frac{1}{16}$ inch.

| KNOCKOUT CODE | CONDUIT SIZE | | |
|----------------|--------------|-----|-----------|
| | .50 | .75 | 1.00 1.25 |
| A (Tangential) | | | |

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

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