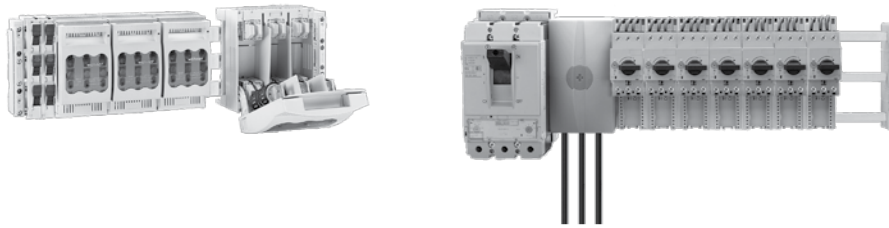


## BUSBAR SYSTEM OVERVIEW



### INDUSTRY STANDARDS

#### Fuseholders:

UL 4248 Listed; File No. E230163 and E342576  
cUL Listed per CSA C22.2 No. 39; File No. E230163

CSA Certified

#### Flexible Busbars:

UL 67 & 891 Component Recognized; File No. E197039  
cUL Component Recognized per CSA C22.2 No. 29 & 244; File No. E197039

#### Busbar Components:

UL 508 Listed; File No. E123577  
cUL Listed per CSA C22.2 No. 14; File No. E123577

CE

### APPLICATION

Busbar systems distribute power throughout a panel by enabling components to be mounted onto adapters that snap onto three copper bars attached to end supports connected to the back panel. Establishing an electrical connection and mechanically fastening in one step, this design reduces wiring time by up to 40 percent and allows power to be easily distributed to multiple components while being touch-safe rated to IP20. In addition, busbar systems utilize pre-wired adapters and sliding DIN rails, enabling components to be placed closer together while reducing the raceway and bending radius space required. With this arrangement, the 60-mm Busbar System consumes up to 25 percent less panel space than traditional wiring.

- Distributes 3-phase power, up to 690 V, coming from a main breaker or fuse block; can also be used for single-phase or DC power applications
- Convenient solution for delivering power throughout panels containing smaller devices and fed by a 100 A or higher main breaker
- Provides direct mounting solutions for major component manufacturers (ABB, Allen-Bradley, Eaton Cutler-Hammer, General Electric, Merlin Gerlin, Moeller, Siemens ITE, Schneider Square D®)

Drawings can be found on [www.hoffmanonline.com](http://www.hoffmanonline.com)

Technical information and support can be found on Wöhner's website at [www.woehner.com/en/technics/](http://www.woehner.com/en/technics/)

Remove the "HB" prefix from Hoffman's catalog numbers to find the comparable Wöhner part numbers.

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### FEATURES

- The 60-mm on-center distance of the busbars minimizes the overall footprint, allowing large ampacities to be distributed in a small space
- Ampacity range of 0–2000 A covers most key applications
- Reduces panel wiring time by up to 40 percent versus conventional wiring
- Electrical and mechanical connections are completed in one step
- The design and layout are efficient and can be changed at any time; innovative terminal solutions connect wires directly to the busbar system; no drilling or tapping is required
- Requires up to 25 percent less panel space than conventional wiring by eliminating some raceway and reducing bending radius space
- Provides the highest standard of safety; designed to be touch-safe to IP20
- Snap-together design makes planning, project design and installation easy; fuse bases and fuse switch disconnectors are simply "clicked" onto the busbars
- Application versatility reduces inventory requirements
- Adapts to most cabinets and enclosures; position busbars vertically or horizontally anywhere within grid dimensions for optimum use of space
- Add components easily to extend the panel; number of connections is minimized
- Shielded connections reduce arc flash danger

### SPECIFICATIONS

- Busbar is constructed of tinned copper for superior corrosion resistance

### ORDERING

For assistance with layouts, drawings and specifying a busbar system, contact Hoffman Customer Service at 763 422 2211.

MCCB MOUNTING REFERENCE

MCCB Mounting Reference All major manufacturers

| Manufacturer          | MCCB Frame                               | Adapter            | UL508 | cUL |
|-----------------------|------------------------------------------|--------------------|-------|-----|
| ABB                   | T-max 1                                  | HB32575            | •     | •   |
|                       | T-max 2                                  | HB32575            | •     | •   |
|                       | T-max 4                                  | HB32601            | •     | •   |
|                       | T-max 5                                  | HB32593            | •     | •   |
|                       | 140-CMN                                  | HB32549            | •     | •   |
| Allen-Bradley         | 140U-H, Top <sup>a</sup>                 | HB32577            | •     | •   |
|                       | 140U-H, Bottom <sup>b</sup>              | HB32571            | •     | •   |
|                       | 140U-J                                   | HB32137            | •     | •   |
|                       | 140U-L                                   | HB32138            | •     | •   |
| Eaton (Cutler-Hammer) | EG-Frame Top <sup>a</sup>                | HB32570            | •     | •   |
|                       | EG-Frame Bottom <sup>b</sup>             | HB32571            | •     | •   |
|                       | JG-Frame                                 | HB32137            | •     | •   |
|                       | K-Frame                                  | HB32138            | •     | •   |
|                       | LG-Frame                                 | HB32138            | •     | •   |
| General Electric      | FD140                                    | HB32575            | •     | •   |
|                       | FD250                                    | HB32156            | •     | •   |
| Mertin Gerin          | NS80                                     | HB32575            | •     | •   |
|                       | NS100                                    | HB32156            | •     | •   |
|                       | NS250                                    | HB32156            | •     | •   |
|                       | NS400                                    | HB32157            | •     | •   |
|                       | NS630                                    | HB32157            | •     | •   |
| Mitsubishi            | NF250                                    | HB32592            | •     | •   |
| Eaton (Moeller)       | NZM1                                     | HB32570            | •     | •   |
|                       | NZM2-XKR4                                | HB32140            | •     | •   |
|                       | NZM3-XKR130                              | HB32170            | •     | •   |
| Siemens               | 3VL1                                     | HB32976            | •     | •   |
|                       | 3VL2                                     | HB32977            | •     | •   |
|                       | 3VL3                                     | HB32977            | •     | •   |
|                       | 3VL4                                     | HB32975            | •     | •   |
|                       | EG-Frame (NEG-Type), Top <sup>a</sup>    | HB32577            | •     | •   |
|                       | EG-Frame (NEG-Type), Bottom <sup>b</sup> | HB32571            | •     | •   |
|                       | NGG-TypeTop <sup>ac</sup>                | HB32577            | •     | •   |
|                       | NGG-Type, Bottom <sup>bc</sup>           | HB23571            | •     | •   |
| Schneider Square D    | NGG-Type (up to 80 A), DIN rail mount    | HB32469, HB32963   | •     | •   |
|                       | H-Frame                                  | HB32140, HBUS76490 | •     | •   |
|                       | J-Frame                                  | HB32156            | •     | •   |
|                       | D-Frame                                  | HB32157            | •     | •   |
| Terasaki              | XS250                                    | HB2592             | •     | •   |

<sup>a</sup>Top refers to the adapter connection to the top of the breaker, typical of a branch circuit protective device.

<sup>b</sup>Bottom refers to the adapter connection to the bottom of the breaker, typical of a feeder circuit protective device.

<sup>c</sup>Some modification may be required.

## SUPPORT SPACING AND SHORT CIRCUIT CURRENT RATING (SCCR) VALUES - HB80508, HB01508

Consult Hoffman for HB01231 and HB01232 support spacing and SCCR values.

### Circuit Breaker Protected System (Any DIVQ/7)

| Busbar, cross section | Max. CB Rating | SCCR  | Max. support spacing <sup>a</sup> |
|-----------------------|----------------|-------|-----------------------------------|
| <b>480VAC</b>         |                |       |                                   |
| HB01618 (12x5 mm)     | 250 A          | 65 kA | 800 mm <sup>a</sup>               |
| HB01620 (20x5 mm)     | 400 A          | 65 kA | 800 mm <sup>a</sup>               |
| HB01622 (30x5 mm)     | 400 A          | 65 kA | 800 mm                            |
| HB01622 (30x5 mm)     | 600 A          | 50 kA | 800 mm                            |
| HB01625 (30x10 mm)    | 400 A          | 65 kA | 800 mm                            |
| HB01625 (30x10 mm)    | 600 A          | 50 kA | 800 mm                            |
| <b>600VAC</b>         |                |       |                                   |
| HB01618 (12x5 mm)     | 250 A          | 25 kA | 800 mm <sup>a</sup>               |
| HB01620 (20x5 mm)     | 400 A          | 35 kA | 800 mm <sup>a</sup>               |
| HB01622 (30x5 mm)     | 600 A          | 25 kA | 800 mm                            |
| HB01625 (30x10 mm)    | 400 A          | 35 kA | 800 mm                            |
| HB01625 (30x10 mm)    | 600 A          | 25 kA | 800 mm                            |

<sup>a</sup>Consideration should be made for mechanical support of the devices mounted to the busbar system.

### Fuse Protected System

| Busbar, cross section | Max. Fuse Rating  | SCCR   | Max. support spacing <sup>a</sup> |
|-----------------------|-------------------|--------|-----------------------------------|
| <b>480VAC</b>         |                   |        |                                   |
| HB01618 (12x5 mm)     | 400 A - J, T, RK1 | 100 kA | 800 mm <sup>a</sup>               |
| HB01620 (20x5 mm)     | 400 A - RK1       | 100 kA | 800 mm <sup>a</sup>               |
| HB01620 (20x5 mm)     | 500 A - J, T      | 100 kA | 800 mm <sup>a</sup>               |
| HB01622 (30x5 mm)     | 400 A - RK1       | 100 kA | 800 mm                            |
| HB01622 (30x5 mm)     | 500 A - J, T      | 100 kA | 800 mm                            |
| HB01625 (30x10 mm)    | 400 A - RK1       | 100 kA | 800 mm                            |
| HB01625 (30x10 mm)    | 600 A - J, T      | 100 kA | 800 mm                            |
| <b>600VAC</b>         |                   |        |                                   |
| HB01618 (12x5 mm)     | 100 A - RK1       | 100 kA | 800 mm <sup>a</sup>               |
| HB01618 (12x5 mm)     | 175 A - J, T      | 100 kA | 800 mm <sup>a</sup>               |
| HB01620 (20x5 mm)     | 200 A - RK1       | 100 kA | 800 mm <sup>a</sup>               |
| HB01620 (20x5 mm)     | 400 A - J, T      | 100 kA | 800 mm <sup>a</sup>               |
| HB01622 (30x5 mm)     | 400 A - RK1       | 100 kA | 800 mm                            |
| HB01622 (30x5 mm)     | 500 A - J, T      | 100 kA | 800 mm                            |
| HB01625 (30x10 mm)    | 400 A - RK1       | 100 kA | 800 mm                            |
| HB01625 (30x10 mm)    | 450 A - J, T      | 100 kA | 800 mm                            |

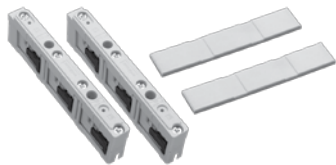
<sup>a</sup>Consideration should be made for mechanical support of the devices mounted to the busbar system.

### Unprotected System

| Busbar, cross section | Max. Fuse Rating | SCCR  | Max. support spacing <sup>a</sup> |
|-----------------------|------------------|-------|-----------------------------------|
| HB01618 (12x5 mm)     | 150 A, 600 VAC   | 18 kA | 250 mm, 400 mm <sup>a</sup>       |
| HB01620 (20x5 mm)     | 362 A, 600 VAC   | 18 kA | 250 mm, 400 mm <sup>a</sup>       |
| HB01622 (30x5 mm)     | 500 A, 600 VAC   | 22 kA | 400 mm                            |
| HB01622 (30x5 mm)     | 500 A, 600 VAC   | 25 kA | 250 mm                            |
| HB01625 (30x10 mm)    | 756 A, 600 VAC   | 22 kA | 400 mm                            |
| HB01625 (30x10 mm)    | 756 A, 600 VAC   | 25 kA | 250 mm                            |

<sup>a</sup>Consideration should be made for mechanical support of the devices mounted to the busbar system.

END SUPPORT KIT



This will be the first part of any system bill of material utilizing rectangular busbar between 12 x 5 - 30 x 10.

BULLETIN: HB2

| Catalog Number | Description                                                     | Qty.  | UL508 | cUL |
|----------------|-----------------------------------------------------------------|-------|-------|-----|
| HB80508        | Contains 2 busbar supports (HB01508) and 2 end covers (HB01573) | 1 kit | •     | •   |

UL BUSBAR SUPPORT



Holds the rigid copper busbars that span the enclosure width or height in place. Systems can be mounted either horizontally or vertically. These supports provide critical bracing against the forces exerted upon the busbar structure in the event of a short circuit condition. While typically mounted to the backpanel of the enclosure, these supports can also be mounted on the frame or support structure of a modular PROLINE™ enclosure system. Each support can be adjusted to accommodate all six rectangular standard sizes of rigid copper busbar.

BULLETIN: HB2

| Catalog Number | Description                                                     | Qty. | UL508 | cUL |
|----------------|-----------------------------------------------------------------|------|-------|-----|
| HB01508        | For busbars 12, 20, 30 x 5/10, 3-pole with internal screw holes | 1    | •     | •   |

BASE PLATE



Serves as an insulator between the current-carrying parts of the busbar structure and adaptor components and the metallic backpanel of the enclosure. This component is required to satisfy UL508 requirements for 2-in. over surface and 1-in. through-the-air arcing distances defined under the UL standard.

BULLETIN: HB2

| Catalog Number | Description                                                    | Qty. | UL508 | cUL |
|----------------|----------------------------------------------------------------|------|-------|-----|
| HB01518        | For UL Busbar Support<br>HB01508, HB01231, HB01232, 240 x 1100 | 1    | •     | •   |
| HB01515        | For UL Busbar Support<br>HB01508, HB01231, HB01232, 240 x 700  | 1    | •     | •   |

HB01231 and HB01232 do not require base plate for UL approval.

EARTH/NEUTRAL BUSBAR SUPPORTS



These single-pole supports can accommodate all six rectangular sizes of rigid copper busbar to be used for grounding purposes. When mounted immediately below the three-pole support, the 60-mm system spacing is maintained for a 4-pole system.

BULLETIN: HB2

| Catalog Number | Description                                                                                           | Qty. |
|----------------|-------------------------------------------------------------------------------------------------------|------|
| HB01601        | For busbars 12, 20, 30 x 5/10 1-pole for mounting individually.<br>Includes earth and neutral labels. | 1    |

## END COVER

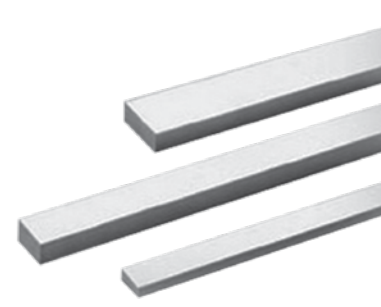


Insulates the ends of the three rigid copper busbars installed in the HB01508 busbar support.

### BULLETIN: HB2

| Catalog Number | Description | Qty. | UL508 | cUL |
|----------------|-------------|------|-------|-----|
| HB01573        | End Cover   | 2    | •     | •   |

## STANDARD COPPER BUSBAR



Manufactured to strict engineering tolerances for the 60-mm busbar system, all busbars are tin-plated copper for superior corrosion resistance in harsh environments.

### BULLETIN: HB1

| Catalog Number | Description<br>mm/in. | Length<br>(m) | UL Current<br>Capacity<br>(max.) | IEC Current<br>Capacity (max.) | Qty. <sup>a</sup> | UL508 | cUL |
|----------------|-----------------------|---------------|----------------------------------|--------------------------------|-------------------|-------|-----|
| HB0161812      | 12 x 5                | 1.2           | 150 A                            | 250 A                          | 3 bar             | •     | •   |
| HB01618        | 12 x 5                | 2.4           | 150 A                            | 250 A                          | 3 bar             | •     | •   |
| HB0162012      | 20 x 5                | 1.2           | 362 A                            | 400 A                          | 3 bar             | •     | •   |
| HB01620        | 20 x 5                | 2.4           | 362 A                            | 400 A                          | 3 bar             | •     | •   |
| HB0162212      | 30 x 5                | 1.2           | 500 A                            | 550 A                          | 3 bar             | •     | •   |
| HB01622        | 30 x 5                | 2.4           | 500 A                            | 550 A                          | 3 bar             | •     | •   |
| HB0162312      | 12 x 10               | 1.2           | 300A                             | 450A                           | 3 bar             | •     | •   |
| HB01623        | 12 x 10               | 2.4           | 300A                             | 450A                           | 3 bar             | •     | •   |
| HB0162412      | 20 x 10               | 1.2           | 564A                             | 630A                           | 3 bar             | •     | •   |
| HB01624        | 20 x 10               | 2.4           | 564A                             | 630A                           | 3 bar             | •     | •   |
| HB0162512      | 30 x 10               | 1.2           | 756 A                            | 800 A                          | 3 bar             | •     | •   |
| HB01625        | 30 x 10               | 2.4           | 756 A                            | 800 A                          | 3 bar             | •     | •   |
| HBCUCUT        | ---                   | Custom        | ---                              | ---                            | 3 bar             |       |     |

<sup>a</sup>To order models in qty. 1 use catalog number with HBB prefix (i.e. HBB0161812, HBB01623)

## STANDARD COPPER BUSBAR, FOR DOUBLE-T AND TRIPLE-T BUSBAR SECTIONS



Use in higher-current applications between 756 A and 2,000 A (please contact Hoffman regarding how to achieve 4,000 A). The outer-most section of these symmetrical profile busbars are 30 x 10 mm. All 60-mm system components can be mounted on systems using this busbar structure.

### BULLETIN: HB1

| Catalog Number | Description                            | Length (m) <sup>a</sup> | Cross<br>section<br>(mm <sup>2</sup> ) | UL<br>Current<br>Capacity<br>(max.) | IEC<br>Current<br>Capacity<br>(max.) | Qty. | UL508 | cUL |
|----------------|----------------------------------------|-------------------------|----------------------------------------|-------------------------------------|--------------------------------------|------|-------|-----|
| HB01609        | Double-T busbar<br>section, tin plated | 2.4                     | 500                                    | 1200 A                              | 1250 A                               | 1    | •     | •   |
| HB01608        | Double-T busbar<br>section, tin plated | 2.4                     | 720                                    | 1400 A                              | 1600 A                               | 1    | •     | •   |
| HB01187        | Triple-T busbar<br>section, tin plated | 2.4                     | 1140                                   | 1800 A <sup>b</sup>                 | 2500 A                               | 1    | •     | •   |

<sup>a</sup>Shorter lengths available on request.

<sup>b</sup>Up to 2000 A within 800 mm of the power connection for HB01187

## BUSBAR SUPPORT, FOR DOUBLE-T BUSBAR SECTIONS



This busbar support is suitable for both the 500-mm<sup>2</sup> and 720-mm<sup>2</sup> Double-T profiles. Use to fasten the busbars to a backpanel or modular enclosure system structure. The supports also serve as bracing against the forces present during short circuit conditions.

### BULLETIN: HB2

| Catalog Number | Description               | Qty. | UL508 | cUL |
|----------------|---------------------------|------|-------|-----|
| HB01876        | 1-pole, without end cover | 1    | ---   | --- |
| HB01231        | 3-pole, without end cover | 2    | •     | •   |

BUSBAR SUPPORT, FOR TRIPLE-T BUSBAR SECTIONS



Suitable for the 1140-mm<sup>2</sup> Triple-T profile. Use to fasten the busbars to a backpanel or modular enclosure system structure. The supports also serve as bracing against the forces present during short circuit conditions.

BULLETIN: HB2

| Catalog Number | Description               | Qty. | UL508 | cUL |
|----------------|---------------------------|------|-------|-----|
| HB01232        | 3-pole, without end cover | 2    | •     | •   |

END COVER, FOR DOUBLE-T AND TRIPLE-T BUSBAR SECTIONS



Insulates the ends of three rigid copper busbars installed in the HB01231 and HB01232.

BULLETIN: HB2

| Catalog Number | Description             | Qty. | UL508 | cUL |
|----------------|-------------------------|------|-------|-----|
| HB01234        | For HB01231 and HB01232 | 2    | •     | •   |

BUSBAR COVER, FOR INDIVIDUAL BUSBARS (INDEPENDENT OF THE SYSTEM)



Plastic cover for standard busbar, 12 x 5 – 30 x 10, as well as double-T and triple-T profile busbars. Provides touchsafe security while covering unused sections of busbar that can be uncovered during future system expansion.

BULLETIN: HB2

| Catalog Number | Description                               | Length (m) | Qty. | UL508 | cUL |
|----------------|-------------------------------------------|------------|------|-------|-----|
| HB01244        | For 12 x 5 mm, 20 x 5 mm, 30 x 5 mm       | 1          | 2    | •     | •   |
| HB01245        | For 30 x 10 mm                            | 1          | 2    | •     | •   |
| HB01252        | For Double-T and Triple-T busbar sections | 1          | 1    | •     | •   |

RESERVE SECTION COVER, 3-POLE



Use to provide touchsafe protection of all three bars of a 60-mm system. Cover section is sold in 1100-mm lengths and can be cut to length. Mounts on a set of plastic brackets that clip directly to the busbar of your system.

BULLETIN: HB2

| Catalog Number | Description                           | Length (mm) | Qty. | UL508 | cUL |
|----------------|---------------------------------------|-------------|------|-------|-----|
| HB01025        | Cover section. Use only with HB01026. | 700         | 1    | •     | •   |
| HB01026        | Mount for cover section HB01025       | —           | 2    | •     | •   |

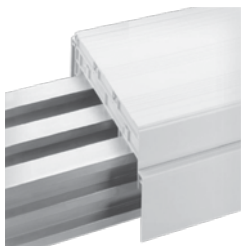
## SYSTEM COVER, 3-POLE



## COVER CAP, 3-POLE



## COMPARTMENT SECTION



## CRITO® PROFILINER CONNECTION MODULE



The combination of these components provides touchsafe protection over connection sets and terminals that mount on the face of the busbar system. System cover provides space underneath to accommodate these mounted components. Components need to be cut to appropriate length.

### BULLETIN: HB2

| Catalog Number | Description                                                   | Length (mm) | Qty. | UL508 | cUL |
|----------------|---------------------------------------------------------------|-------------|------|-------|-----|
| HB01554        | Front cover section, 3-pole.<br>Use only with HB01136         | 1100        | 1    | •     | •   |
| HB01555        | Top/bottom cover section.<br>Use only with HB01136 or HB01137 | 1100        | 1    | •     | •   |
| HB01136        | Set of holders (left and right) for covers sections, 3P       | ---         | 1    |       |     |

Can also be used as reserve section cover. Use to cover most connection sets.

### BULLETIN: HB2

| Catalog Number | Description                                               | H x W (mm)     | Qty. | UL508 | cUL |
|----------------|-----------------------------------------------------------|----------------|------|-------|-----|
| HB01539        | For 12 - 30 x 5/10, Double-T and Triple-T busbar sections | 180 x 200 x 90 | 1    | •     | •   |
| HB01596        | For 30 x 5/10, Double-T and Triple-T busbar sections      | 228 x 200 x 90 | 1    | •     | •   |
| HB01540        | For 12 30 x 5/10, Double-T and Triple-T busbar sections   | 250 x 200 x 90 | 1    | •     | •   |
| HB01756        | For 12-30x5/10, Double-T and Triple-T busbar sections     | 135 x 200 x 90 | 1    | •     |     |
| HB01757        | For 12-30x5/10, Double-T and Triple-T busbar sections     | 135 x 200 x 90 | 1    | •     |     |

Provides additional depth to system covers and reserve section covers that are mounted on Double-T and Triple-T profile busbars. Sold in 1200-mm sections, they can be cut to length and mounted to the support structure. Provide additional touchsafe protection and prevent personnel from reaching behind the 3-pole covers where they might come in contact with a live component.

### BULLETIN: HB2

| Catalog Number | Description                                                               | Length (m) | Depth (mm) | Qty. |
|----------------|---------------------------------------------------------------------------|------------|------------|------|
| HB0123612      | For adjusting installation depth in Double-T and Triple-T busbar sections | 1.2        | 48         | 2    |
| HB0123712      | For adjusting installation depth in Double-T and Triple-T busbar sections | 1.2        | 76         | 2    |

At 20-mm wide, this cage-clamp device is the narrowest connection method available. Use to feed or draw up to 48 A (UL) or 80 A (IEC) of power.

*CRITO ProfiLiner is a trademark of Wöhner GmbH & Co. KG.*

### BULLETIN: HB2

| Catalog Number | Description | W x H (mm) | UL Current Capacity (max.) | IEC Current Capacity (max.) | Qty. | UL508 | cUL |
|----------------|-------------|------------|----------------------------|-----------------------------|------|-------|-----|
| HB01563        | AWG 16-4    | 20 x 200   | 48 A                       | 80 A                        | 1    | •     | •   |

CONNECTING TERMINAL PLATE

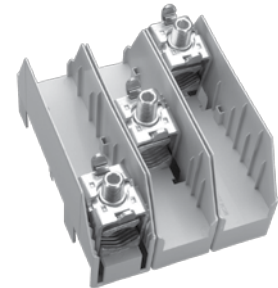


Use to connect round conductors or flat flexible conductors to the busbar system and to feed or draw power to, from or between lengths of busbar. Each terminal plate comes with a cover cap providing finger-safe protection.

BULLETIN: HB2

| Catalog Number | Description                                               | W x H (mm) | Current Capacity (max.) | Qty. | UL508 | cUL |
|----------------|-----------------------------------------------------------|------------|-------------------------|------|-------|-----|
| HB01240        | AWG 10 – 1/0, s(r), f, f+AE, la. Cu 6 x 9 x 0.8           | 54 x 200   | 300 A                   | 1    | •     | •   |
| HB01243        | AWG 2 – 250MCM, s(r), f, f+AE, la. Cu 6 / 10 x 15.5 x 0.8 | 81 x 200   | 440 A                   | 1    | •     | •   |

CONNECTION SET, 3-POLE



Modular design allows phase connections to be spread out along the busbar structure. Each phase conductor can be run parallel from the upstream or downstream device. These connection sets do not come with a cover cap – use Cover Cap or System Cover to gain finger-safe protection.

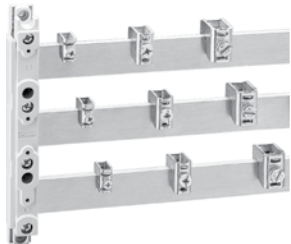
BULLETIN: HB2

| Catalog Number | Description                                            | Current Capacity (max.) | Qty. | UL508 | cUL |
|----------------|--------------------------------------------------------|-------------------------|------|-------|-----|
| HB01537        | CU and Al <sup>a</sup> AWG 4/0 – 600MCM, s(r), s(s), f | 560 A                   | 1    | •     | •   |
| HB01538        | Flat busbars up to 32 x 20 mm                          | 800 A                   | 1    | •     | •   |

<sup>a</sup> Not maintenance-free when aluminum conductors are used.

Cover cap for HB01537 and HB01538 is HB01539 when the phase conductors are butted side-by-side (not spaced apart).

UNIVERSAL CONDUCTOR TERMINAL



Terminals for round American Wire Gauge (AWG) conductor are used to either supply power to or draw power from the busbar system. These parts must match the thickness of the busbar being applied in your system. Cover caps are sold separately. Sold in sets of three terminals.

BULLETIN: HB2

| Catalog Number | Description                                 | Connection AWG (min.-max.) | Terminal Space H x W | Current Capacity (max.) | Qty. | UL508 | cUL |
|----------------|---------------------------------------------|----------------------------|----------------------|-------------------------|------|-------|-----|
| HB01284        | 5-mm flat busbars                           | 16-6                       | 7.5 x 7.5 (mm)       | 180 A                   | 3    | •     | •   |
| HB01285        | 5-mm flat busbars                           | 12-2                       | 10.5 x 11 (mm)       | 270 A                   | 3    | •     | •   |
| HB01287        | 5-mm flat busbars                           | 6-2/0                      | 14 x 14 (mm)         | 400 A                   | 3    | •     | •   |
| HB01068        | 5-mm flat busbars                           | 6-250 MCM                  | 17 x 15 (mm)         | 440 A                   | 3    | •     | •   |
| HB01289        | 10-mm flat busbars                          | 16-6                       | 7.5 x 7.5 (mm)       | 180 A                   | 3    | •     | •   |
| HB01290        | 10-mm flat busbars                          | 12-2                       | 10.5 x 11 (mm)       | 270 A                   | 3    | •     | •   |
| HB01292        | 10-mm Double-T and Triple-T busbar sections | 6-2/0                      | 14 x 14 (mm)         | 400 A                   | 3    | •     | •   |
| HB01203        | 10-mm Double-T and Triple-T busbar sections | 6-250 MCM                  | 17 x 15 (mm)         | 440 A                   | 3    | •     | •   |

Meets UL508 when properly installed.

CRITO® PROFICLIP, BRACE TERMINALS



20 x 5 – 30 x 10. Double-T and Triple-T

CRITO ProfiClip is a trademark of Wöhner GmbH & Co. KG.

BULLETIN: HB2

| Catalog Number | Description                                   | Current Capacity (max.) | Qty. | UL508 | cUL |
|----------------|-----------------------------------------------|-------------------------|------|-------|-----|
| HB01319        | For flat busbars up to 30 mm x 20 mm          | 750 A                   | 3    | •     | •   |
| HB01318        | Cu and Al <sup>a</sup> AWG 3/0 – 350 MCM      | 500 A                   | 3    | •     | •   |
| HB01759        | For flat busbars up to 32 mm x 20 mm          | 800 A                   | 3    | •     | •   |
| HB01760        | Cu and Al <sup>a</sup> AWG 3/0 – 350 MCM600 A | 600 A                   | 3    | •     | •   |

<sup>a</sup> Not maintenance-free when aluminum conductors are used.

Meets UL508 when properly installed.

## PROFILE TERMINAL, FOR DOUBLE-T BUSBAR SECTIONS



Terminals for insulated flat flexible busbar used to either supply power to or draw power from the busbar system. Cover caps are sold separately. Sold in sets of three terminals.

**BULLETIN: HB2**

| Catalog Number | Description                                             | Connection Cross Section (sq. mm) | Terminal Space W x H (mm) | Current Capacity (max.) | Qty. | UL508 | cUL |
|----------------|---------------------------------------------------------|-----------------------------------|---------------------------|-------------------------|------|-------|-----|
| HB01185        | For connecting flat busbars and flexible copper busbars | 320–800                           | 41 x 20 – 42              | 1600 A                  | 3    | •     | •   |
| HB01906        | For connecting flat busbars and flexible copper busbars | 500–750                           | 51 x 5 – 28               | 1600 A                  | 3    | •     | •   |
| HB01907        | For connecting flat busbars and flexible copper busbars | 600–900                           | 64 x 5 – 28               | 1600 A                  | 3    | •     | •   |
| HB01936        | For connecting flat busbars and flexible copper busbars | 500–1000                          | 51 x 20 – 42              | 1600 A/2000 A           | 3    | •     | •   |
| HB01911        | For connecting flat busbars and flexible copper busbars | 600–1200                          | 64 x 20 – 42              | 1600 A/2000 A           | 3    | •     | •   |
| HB01934        | For connecting flat busbars and flexible copper busbars | 800–1600                          | 81 x 20 – 42              | 1600 A/2500 A           | 3    | •     | •   |
| HB01935        | For connecting flat busbars and flexible copper busbars | 1000–2000                         | 101 x 20 – 42             | 1600 A/2800 A           | 3    | •     | •   |

HB01936, HB01911, HB01934, HB01935: current capacity for center feeding

Meets UL508 when properly installed.

## PROFILE TERMINAL, FOR TRIPLE-T BUSBAR SECTIONS



Terminals for insulated flat flexible busbar used to either supply power to or draw power from the busbar system. Cover caps are sold separately. Sold in sets of three terminals.

**BULLETIN: HB2**

| Catalog Number | Description                  | Connection Cross Section (mm) | Terminal Space W x H (mm) | Current Capacity (max.) | Qty. | UL508 | cUL |
|----------------|------------------------------|-------------------------------|---------------------------|-------------------------|------|-------|-----|
| HB01513        | For Triple-T busbar sections | 320–860                       | 41 x 23 – 45              | 1600 A                  | 3    | •     | •   |
| HB01008        | For Triple-T busbar sections | 500–1260                      | 64 x 23 – 45              | 2500 A                  | 3    | •     | •   |
| HB01186        | For Triple-T busbar sections | 1200–3600                     | 101 x 23 – 45             | 3200 A                  | 3    | •     | •   |

Meets UL508A when properly installed.

## BUSBAR CONNECTOR, FOR SAME-SIZE BUSBARS



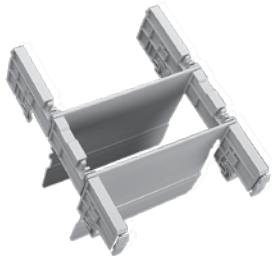
Use to extend busbar lengths or to install a shipping split in a modular enclosure assembly.

**BULLETIN: HB2**

| Catalog Number | Description      | Length (mm) | System Spacing (mm) | Current Capacity (max.) | Qty. | UL508 <sup>a</sup> | cUL |
|----------------|------------------|-------------|---------------------|-------------------------|------|--------------------|-----|
| HB01166        | 12 – 20 X 5 / 10 | 55          | 5 – 10              | 630 A                   | 3    | —                  | —   |
| HB01193        | 12 – 20 X 5 / 10 | 150         | 100 – 110           | 630 A                   | 3    | —                  | —   |
| HB01990        | 20 – 30 X 5 / 10 | 40          | 9 – 20              | 630 A                   | 3    | —                  | —   |
| HB01823        | 20 – 30 X 5 / 10 | 40          | 13 – 20             | 630 A                   | 3    | —                  | —   |
| HB01141        | 20 – 30 X 5 / 10 | 95          | 50 – 60             | 630 A                   | 3    | —                  | —   |
| HB01886        | 20 – 30 X 5 / 10 | 150         | 100 – 110           | 630 A                   | 3    | —                  | —   |
| HB01827        | Double-T Section | 50          | 9 – 20              | 1600 A                  | 3    | —                  | —   |
| HB01145        | Double-T Section | 95          | 50 – 60             | 1600 A                  | 3    | —                  | —   |
| HB01829        | Double-T Section | 150         | 100 – 110           | 1600 A                  | 3    | —                  | —   |
| HB01274        | Triple-T Section | 95          | 50 – 60             | 2500 A                  | 3    | —                  | —   |
| HB01275        | Triple-T Section | 150         | 100 – 110           | 2500 A                  | 3    | —                  | —   |

<sup>a</sup>Meets UL508 requirements when phase separators are installed.

PHASE SEPARATORS, FOR UL INSTALLATION OF END-TO-END BUSBAR CONNECTION, 3-POLE



Satisfy the through-air arcing distances of the UL508 standard when using end-to-end busbar connectors, for the same-size busbars.

BULLETIN: HB2

| Catalog Number | Width mm/in. | For Use With                       | Qty. | UL508 | cUL |
|----------------|--------------|------------------------------------|------|-------|-----|
| HB01360        | 105          | HB01166, HB01990, HB01823, HB01827 | 1    | •     | •   |
| HB01361        | 145          | HB01141, HB01145, HB01274          | 1    | •     | •   |
| HB01362        | 200          | HB01193, HB01886, HB01829, HB01275 | 1    | •     | •   |

MOTUS® CONTACTRONCONTROL, HYBRID MOTOR STARTER FOR 60MM SYSTEM CLASSIC



Woehner USA's hybrid motor starter, MOTUS® ContactronControl offers system designers space and labor savings by making up to 75% more space available on a busbar system compared to conventional starter combinations. It delivers versatile, reliable and long-lasting motor control with a product lifespan 10 times longer than conventional contactors.

MOTUS® ContactronControl is a trademark of Wöhner GmbH & Co. KG

BULLETIN: HB2

| Catalog Number | Description          | Width mm/in. | Rated Current/<br>Rated Voltage | Qty. | UL508 |
|----------------|----------------------|--------------|---------------------------------|------|-------|
| HB36102        | Version 0.075 - 0.6A | 22.5         | 0.6A/480V                       | 1    | •     |
| HB36105        | Version 0.18 - 2.4A  | 22.5         | 2.4A/480V                       | 1    | •     |
| HB36108        | Version 1.5 - 9.0A   | 22.5         | 9A/480V                         | 1    | •     |

EQUES® EASYCONNECTOR, BUSBAR ADAPTER



DIN rail adapters for components that have symmetrical DIN rail mounting provision. Additional DIN rails can be added to the adapter.

EQUES EasyConnector is a trademark of Wöhner GmbH & Co. KG.

BULLETIN: HB2

| Catalog Number | Description      | Adapter W x L (mm) | Current | Leads  | Qty. | UL508 | cUL |
|----------------|------------------|--------------------|---------|--------|------|-------|-----|
| HB32430        | 1 mounting rail  | 45 x 200           | 25 A    | 12 AWG | 1    | •     | •   |
| HB32431        | 2 mounting rails | 45 x 200           | 25 A    | 12 AWG | 1    | •     | •   |

| Catalog Number | Description      | Adapter W x L (mm) | Current | Leads  | Qty. | UL508 | cUL |
|----------------|------------------|--------------------|---------|--------|------|-------|-----|
| HB32432        | 2 mounting rails | 90 x 200           | 25 A    | 12 AWG | 1    | •     | •   |
| HB32433        | 2 mounting rails | 45 x 260           | 25 A    | 12 AWG | 1    | •     | •   |
| HB32436        | 2 mounting rails | 45 x 200           | 25 A    | 10 AWG | 1    | •     | •   |
| HB32439        | 2 mounting rails | 45 x 260           | 25 A    | 10 AWG | 1    | •     | •   |
| HB32441        | 1 mounting rail  | 54 x 200           | 32 A    | 10 AWG | 1    | •     | •   |
| HB32442        | 2 mounting rails | 54 x 200           | 32 A    | 10 AWG | 1    | •     | •   |
| HB32443        | 1 mounting rail  | 63 x 200           | 32 A    | 10 AWG | 1    | •     | •   |
| HB32444        | 1 mounting rail  | 72 x 200           | 32 A    | 10 AWG | 1    | •     | •   |
| HB32446        | 2 mounting rails | 81 x 200           | 32 A    | 10 AWG | 1    | •     | •   |
| HB32449        | 2 mounting rails | 54 x 260           | 32 A    | 10 AWG | 1    | •     | •   |
| HB32454        | 1 mounting rail  | 54 x 200           | 63 A    | 8 AWG  | 1    | •     | •   |
| HB32455        | 2 mounting rails | 54 x 200           | 63 A    | 8 AWG  | 1    | •     | •   |
| HB32456        | 1 mounting rail  | 63 x 200           | 63 A    | 8 AWG  | 1    | •     | •   |
| HB32457        | 1 mounting rail  | 72 x 200           | 63 A    | 8 AWG  | 1    | •     | •   |
| HB32459        | 2 mounting rails | 81 x 200           | 63 A    | 8 AWG  | 1    | •     | •   |
| HB32461        | 2 mounting rails | 54 x 260           | 63 A    | 8 AWG  | 1    | •     | •   |
| HB32466        | 1 mounting rail  | 54 x 200           | 80 A    | 6 AWG  | 1    | •     | •   |
| HB32467        | 2 mounting rails | 54 x 200           | 80 A    | 6 AWG  | 1    | •     | •   |
| HB32469        | 1 mounting rail  | 72 x 200           | 80 A    | 6 AWG  | 1    | •     | •   |
| HB32472        | 2 mounting rails | 54 x 260           | 80 A    | 6 AWG  | 1    | •     | •   |

### EARTH/NEUTRAL ADAPTER MODULE, WITH 6 AWG TERMINALS, TOP AND BOTTOM

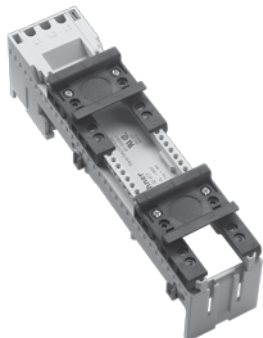


Earth or neutral terminal connection for the busbar system.

#### BULLETIN: HB2

| Catalog Number | Description                                 | Adapter<br>W x L (mm) | Qty. | UL508 |
|----------------|---------------------------------------------|-----------------------|------|-------|
| HB32146        | For EEC adapters, connectable on both sides | 18 x 260              | 1    | •     |

### EQUES® EASYCONNECTOR EMPTY



DIN rail adapters for components that have a 35-mm symmetrical DIN rail mounting provision. Available in 45-mm or 54-mm widths and 200-mm or 260-mm heights with one or two DIN rails. Most commonly used to add width to a powered EQUES EasyConnector for reversing contactor applications or to mount other components that are wider than 81 mm. The side-mounted module adds width to any adapter in 9-mm increments and maintains the IP20 fingersafe design of the busbar system.

*EQUES EasyConnector is a trademark of Wöhner GmbH & Co. KG.*

#### BULLETIN: HB2

| Catalog Number | Description                                    | Adapter<br>W x L (mm) | Qty. | UL508 | cUL |
|----------------|------------------------------------------------|-----------------------|------|-------|-----|
| HB32477        | Universal                                      | 45 x 200              | 1    | •     | •   |
| HB32478        | Universal                                      | 54 x 200              | 1    | •     | •   |
| HB32484        | Universal                                      | 45 x 260              | 1    | •     | •   |
| HB32485        | Universal                                      | 54 x 260              | 1    | •     | •   |
| HB32963        | Side-mounted module, connectable on both sides | 9 x 200               | 5    | —     | —   |

### EQUES® TECHNOLOGY ACCESSORIES



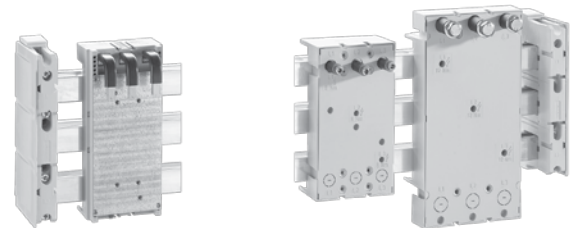
Additional DIN mounting rails for EQUES EasyConnectors. Connecting elements are used to fasten adjacent EQUES EasyConnectors, 9-mm extenders and mounting rails.

*EQUES EasyConnector is a trademark of Wöhner GmbH & Co. KG.*

#### BULLETIN: HB2

| Catalog Number | Description        | Adapter<br>Width<br>(mm) | Qty. | UL508 | cUL |
|----------------|--------------------|--------------------------|------|-------|-----|
| HB32948        | Mounting Rail      | 54                       | 10   | •     | •   |
| HB32949        | Mounting Rail      | 63                       | 10   | •     | •   |
| HB32950        | Mounting Rail      | 72                       | 10   | •     | •   |
| HB32951        | Mounting Rail      | 81                       | 10   | •     | •   |
| HB32954        | Connecting Element | 45                       | 50   | •     | •   |

EQUES® POWERCONNECTOR, BUSBAR ADAPTER



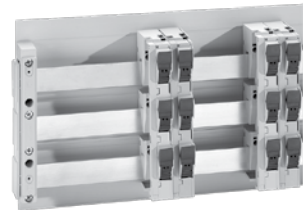
Adapters configured specifically for many of the industry’s leading molded-case circuit breakers. The hole pattern for the mounting screws, pitch and length of the terminal connections are specific to the breaker they are designed to mount.  
*EQUES PowerConnector is a trademark of Wöhner GmbH & Co. KG.*

BULLETIN: HB2

| Catalog Number | Description                                       | Adapter W x L | Terminal Pitch | Qty. | UL508 | cUL |
|----------------|---------------------------------------------------|---------------|----------------|------|-------|-----|
| HB32571        | 125 A for Eaton Cutler-Hammer EG & H, bottom feed | 90 x 200 mm   | 23-30 mm       | 1    | •     | •   |
| HB32577        | 125 A for Eaton Cutler-Hammer E G & H             | 90 x 200 mm   | 23-30 mm       | 1    | •     | •   |

| Catalog Number | Description                                                 | Adapter W x L | Terminal Pitch | Qty. | UL508 | cUL |
|----------------|-------------------------------------------------------------|---------------|----------------|------|-------|-----|
| HB32575        | 160 A for ABB T-max 1, T-max 2, GE FD160, Merlin Gerin NS80 | 90 x 200 mm   | 23-30 mm       | 1    | •     | •   |
| HB32549        | 125 A for Allen-Bradley 140-CMN                             | 90 x 200 mm   | 23-30 mm       | 1    | •     | •   |
| HB32570        | 160 A for Moeller NZM1                                      | 90 x 200 mm   | 23-30 mm       | 1    | •     | •   |
| HB32137        | 250 A for Allen-Bradley 140 U-J                             | 106 x 192 mm  | 35-36 mm       | 1    | •     | •   |
| HB32156        | 250 A for Merlin Gerin NS100, NS250, GE FD250               | 106 x 192 mm  | 35-36 mm       | 1    | •     | •   |
| HB32140        | 250 A for Moeller NZM2-XKR4                                 | 106 x 192 mm  | 35-36 mm       | 1    | •     | •   |
| HB32976        | 160 A for Siemens 3VL1 UL                                   | 106 x 192 mm  | 35-36 mm       | 1    | •     | •   |
| HB32977        | 250 A for Siemens 3VL2, 3VL3 UL                             | 106 x 192 mm  | 35-36 mm       | 1    | •     | •   |
| HB32138        | 600 A for Allen-Bradley 140 U-L                             | 140 x 272 mm  | 43-45 mm       | 1    | •     | •   |
| HB32157        | 570 A for Merlin Gerin NS400, NS630                         | 140 x 272 mm  | 43-45 mm       | 1    | •     | •   |
| HB32170        | 550 A for Moeller NZM3-XKR130                               | 140 x 272 mm  | 43-45 mm       | 1    | •     | •   |
| HB32975        | 400 A for Siemens 3VL4                                      | 140 x 295 mm  | 43-45 mm       | 1    | •     | •   |

AMBUS® EASYLINER, BUS-MOUNTING FUSE HOLDER, 3-POLE, 3-POLE ISOLATION

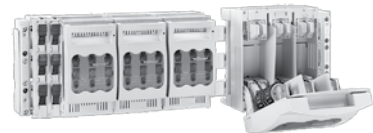


Busbar-mounted 3-pole fuse holder for UL recognized midget (10 x 38 mm) and UL Listed Class CC fuses. Holders are offered with or without open fuse indication. In indication units, the LED indicator lamp will glow when the fuse is open. At 27 mm wide, the AMBUS EasyLine is half the width of traditional 3-phase holders of the same class. Indicator units operate at voltages between 110 and 690 V.  
*AMBUS EasyLiner is a trademark of Wöhner GmbH & Co. KG.*

BULLETIN: HB2

| Catalog Number | Description                                                  | Rated Current/<br>Rated Voltage | Qty. | UL4248 | cUL |
|----------------|--------------------------------------------------------------|---------------------------------|------|--------|-----|
| HB31954        | For 10 x 38 mm cylindrical fuses IEC-EN 60 269-2-1           | 32 A / 690 V                    | 1    | •      | •   |
| HB31955        | For 10 x 38 mm cylindrical fuses IEC-EN 60 269-2-1, with LED | 32 A / 690 V                    | 1    | •      | •   |
| HB31958        | For Class CC, cylindrical fuses UL 248-4                     | 30 A / 600 V                    | 1    | •      | •   |
| HB31959        | For Class CC, cylindrical fuses UL 248-4, with LED           | 30 A / 600 V                    | 1    | •      | •   |

QUADRON® CROSSLINK CARRIER CLASS J, CONNECTION BOTTOM OR TOP



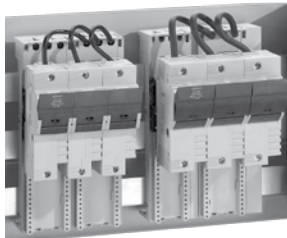
The QUADRON® CrossLink Carrier Class J fuse holder allows 30, 60, 100 and 200 amp 3-phase fuse holders to be mounted directly to the 60mm classic busbar structure. The cover design provides

touch-safety and allows for quick fuse change-out with its integral puller. Easily reversible connection on bottom, top or 3-pole busbar sections.  
*QUADRON® CrossLink Carrier is a trademark of Wöhner GmbH & Co. KG*

BULLETIN: HB2

| Catalog Number | Description                  | Width mm/in. | Rated Current/<br>Rated Voltage | Qty. | UL508 | cUL |
|----------------|------------------------------|--------------|---------------------------------|------|-------|-----|
| HB33421        | For Class J, 30A frame size  | 106          | 30A/600V                        | 1    | •     | •   |
| HB33422        | For Class J, 60A frame size  | 106          | 60A/600V                        | 1    | •     | •   |
| HB33402        | For Class J, 100A frame size | 106          | 100A/600V                       | 1    | •     | •   |
| HB33403        | For Class J, 200A frame size | 106          | 200A/600V                       | 1    | •     | •   |

### QUADRON® J-CARRIER



Busbar mounted 3-pole fuse holder for UL Listed Class J 30 and 60 A ferrule size fuses. Holders are offered with or without open fuse indication. In indication units, the LED indicator lamp will glow when the fuse is open. Indicator units operate at voltages between 110 and 600 V. Complete solution on busbar adaptor, 3-pole for all busbars. *QUADRON J-Carrier is a trademark of Wöhner GmbH & Co. KG.*

#### BULLETIN: HB2

| Catalog Number | Description (mm)           | Width (mm) | Rated Current/<br>Rated Voltage | Qty. | UL508 | cUL |
|----------------|----------------------------|------------|---------------------------------|------|-------|-----|
| HB31968        | Class J, 21 x 57, with LED | 108        | 30 A / 600 V                    | 1    | •     | •   |
| HB31970        | Class J, 27 x 60, with LED | 126        | 60 A / 600 V                    | 1    | •     | •   |

### QUADRON® J-CARRIER, CONNECTION BOTTOM OR TOP



Blade size Class J bus-mounting fuse holders in 100 A, 200 A and 400 A frame sizes. Connection on bottom or top, 3-pole, 30 x 10, Double-T and Triple-T busbar sections. *QUADRON J-Carrier is a trademark of Wöhner GmbH & Co. KG.*

#### BULLETIN: HB2

| Catalog Number | Description (mm)  | Width (mm) | Rated Current/<br>Rated Voltage | Qty. | UL4248 | cUL |
|----------------|-------------------|------------|---------------------------------|------|--------|-----|
| HB33309        | Class J, 29 x 117 | 184        | 100 A / 600 V                   | 1    | •      | •   |
| HB33310        | Class J, 41 x 146 | 210        | 200 A / 600 V                   | 1    | •      | •   |
| HB33311        | Class J, 54 x 181 | 256        | 400 A / 600 V                   | 1    | •      | •   |

BUSBAR SUPPORT AND BASE PLATE



BULLETIN: HB2

| Catalog Number | Description            | Width x Height mm | Qty. | UL508 | cUL |
|----------------|------------------------|-------------------|------|-------|-----|
| HB01272        | Compact Busbar Support | 12.5 x 156        | 1    | •     | •   |
| HB01371        | Compact Base Plate     | 160 x 700         | 1    | •     | •   |

STANDARD COPPER BUSBAR



BULLETIN: HB1

| Catalog Number | Description                 | Dims mm/in. | Current Rating | Qty <sup>a</sup> | UL508 | cUL |
|----------------|-----------------------------|-------------|----------------|------------------|-------|-----|
| HB01618        | Tin plated, Cu Busbar, 2.4m | 12x5        | 150A           | 1                | •     | •   |
| HB0161812      | Tin plated, Cu Busbar, 1.2m | 12x5        | 150A           | 1                | •     | •   |
| HB01623        | Tin plated, Cu Busbar, 2.4m | 12x10       | 300A           | 1                | •     | •   |
| HB0162312      | Tin plated, Cu Busbar, 1.2m | 12x10       | 300A           | 1                | •     | •   |

<sup>a</sup>To order models in qty. 1 use catalog number with HBB prefix (i.e. HBB0161812, HBB01623)

RESERVE SECTION COVER, 3-POLE



BULLETIN: HB2

| Catalog Number | Description             | Width x Height mm/in. | Qty. | UL508 | cUL |
|----------------|-------------------------|-----------------------|------|-------|-----|
| HB01314        | Cover Section           | 700 x 160             | 1    | •     | •   |
| HB01317        | Mount for Cover Section | 5 x 156               | 2    | •     | •   |

CONNECTING TERMINAL PLATE



BULLETIN: HB2

| Catalog Number | Description            | Width x Height mm/in. | Rated Current/ Rated Voltage | Qty. | UL508 | cUL |
|----------------|------------------------|-----------------------|------------------------------|------|-------|-----|
| HB01401        | Compact Connection Set | 54 x 160              | 300A/600V                    | 1    | •     | •   |
| HB01165        | Compact Connection Set | 90 x 160              | 480A/600V                    | 1    | •     | •   |

EQUES EASYCONNECTORS, SYSTEM COMPACT



BULLETIN: HB2

| Catalog Number | Description           | Width x Height mm/in. | Rated Current/ Rated Voltage | Qty | UL508 | cUL |
|----------------|-----------------------|-----------------------|------------------------------|-----|-------|-----|
| HB32590        | 32A, 1 mounting rail  | 45x160                | 32A/60V                      | 1   | •     | •   |
| HB32591        | 63A, 1 mounting rail  | 54x160                | 63A/600V                     | 1   | •     | •   |
| HB32912        | 9mm side-mount module | 9x160                 | ---                          | 5   | •     | •   |

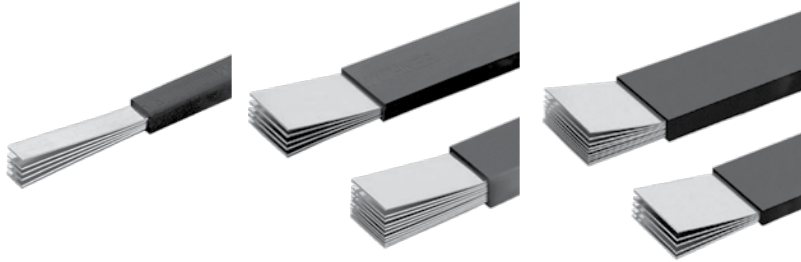
MOTUS CONTACTRONCONTROL, HYBRID MOTOR STARTER FOR 60MM SYSTEM COMPACT



BULLETIN: HB2

| Catalog Number | Description          | Width mm/in. | Rated Current/ Rated Voltage | Qty | UL508 |
|----------------|----------------------|--------------|------------------------------|-----|-------|
| HB36101        | Version 0.075 - 0.6a | 22.5         | 0.6A/480V                    | 1   | •     |
| HB36104        | Version 0.18 - 2.4A  | 22.5         | 2.4A/480V                    | 1   | •     |
| HB36107        | Version 1.5 - 9.0A   | 22.5         | 9A/480V                      | 1   | •     |

## FLEXIBLE BUSBARS, CU TINNED, INSULATED



### APPLICATION

Flat, flexible busbar complements the space-saving nature of the 60-mm busbar system. Unlike traditional round conductors, flexible busbar can be folded and shaped without regard to AWG bending

radius issues. Choose connection sets that are designed to accept flexible busbar, or drill the flex for use with a stud connection (on your breaker, VFD, SCR or other system component.)

**BULLETIN: HB1**

### Standard Product 3-M Long

| Catalog Number | Description (mm) | Rated Current at 75 C | Cross Section (sq. mm) | Qty. |
|----------------|------------------|-----------------------|------------------------|------|
| HB01083100     | 3 x 9 x 0.8      | 141 A                 | 21.6                   | 1    |
| HB01084100     | 6 x 9 x 0.8      | 210 A                 | 43.2                   | 1    |
| HB01146100     | 6 x 13 x 0.5     | 207 A                 | 39                     | 1    |
| HB01089100     | 4 x 15.5 x 0.8   | 244 A                 | 49.6                   | 1    |
| HB01090100     | 6 x 15.5 x 0.8   | 306 A                 | 74.4                   | 1    |
| HB01091100     | 10 x 15.5 x 0.8  | 411 A                 | 124                    | 1    |
| HB01446100     | 2 x 20 x 1       | 230 A                 | 40                     | 1    |
| HB01062100     | 3 x 20 x 1       | 286 A                 | 60                     | 1    |
| HB01447100     | 4 x 20 x 1       | 334 A                 | 80                     | 1    |
| HB01448100     | 5 x 20 x 1       | 377 A                 | 100                    | 1    |
| HB01063100     | 6 x 20 x 1       | 418 A                 | 120                    | 1    |
| HB01449100     | 8 x 20 x 1       | 492 A                 | 160                    | 1    |
| HB01064100     | 10 x 20 x 1      | 560 A                 | 200                    | 1    |
| HB01450100     | 2 x 24 x 1       | 265 A                 | 48                     | 1    |
| HB01451100     | 3 x 24 x 1       | 329 A                 | 72                     | 1    |
| HB01452100     | 4 x 24 x 1       | 383 A                 | 96                     | 1    |
| HB01075100     | 5 x 24 x 1       | 433 A                 | 120                    | 1    |
| HB01453100     | 6 x 24 x 1       | 479 A                 | 144                    | 1    |
| HB01076100     | 10 x 24 x 1      | 637 A                 | 240                    | 1    |
| HB01454100     | 2 x 32 x 1       | 334 A                 | 64                     | 1    |
| HB01455100     | 3 x 32 x 1       | 413 A                 | 96                     | 1    |
| HB01456100     | 4 x 32 x 1       | 480 A                 | 128                    | 1    |
| HB01095100     | 5 x 32 x 1       | 540 A                 | 160                    | 1    |
| HB01457100     | 6 x 32 x 1       | 596 A                 | 192                    | 1    |
| HB01458100     | 8 x 32 x 1       | 695 A                 | 256                    | 1    |
| HB01096100     | 10 x 32 x 1      | 783 A                 | 320                    | 1    |
| HB01459100     | 3 x 40 x 1       | 494 A                 | 120                    | 1    |
| HB01460100     | 4 x 40 x 1       | 574 A                 | 160                    | 1    |
| HB01097100     | 5 x 40 x 1       | 644 A                 | 200                    | 1    |
| HB01461100     | 6 x 40 x 1       | 708 A                 | 240                    | 1    |
| HB01462100     | 8 x 40 x 1       | 822 A                 | 320                    | 1    |
| HB01099100     | 10 x 40 x 1      | 922 A                 | 400                    | 1    |
| HB01463100     | 3 x 50 x 1       | 594 A                 | 150                    | 1    |
| HB01464100     | 4 x 50 x 1       | 688 A                 | 200                    | 1    |
| HB01112100     | 5 x 50 x 1       | 770 A                 | 250                    | 1    |
| HB01465100     | 6 x 50 x 1       | 844 A                 | 300                    | 1    |
| HB01466100     | 8 x 50 x 1       | 975 A                 | 400                    | 1    |
| HB01113100     | 10 x 50 x 1      | 1089 A                | 500                    | 1    |
| HB01467100     | 4 x 63 x 1       | 832 A                 | 252                    | 1    |
| HB01468100     | 5 x 63 x 1       | 929 A                 | 315                    | 1    |
| HB01469100     | 6 x 63 x 1       | 1015 A                | 378                    | 1    |
| HB01123100     | 10 63 x 1        | 1296 A                | 630                    | 1    |
| HB01470100     | 4 x 80 x 1       | 1014 A                | 320                    | 1    |
| HB01471100     | 5 x 80 x 1       | 1128 A                | 400                    | 1    |
| HB01472100     | 6 x 80 x 1       | 1229 A                | 480                    | 1    |
| HB01473100     | 10 x 80 x 1      | 1556 A                | 800                    | 1    |
| HB01474100     | 4 x 100 x 1      | 1220 A                | 400                    | 1    |
| HB01475100     | 5 x 100 x 1      | 1354 A                | 500                    | 1    |
| HB01476100     | 60 x 100 x 1     | 1471 A                | 600                    | 1    |
| HB01477100     | 8 x 100 x 1      | 1674 A                | 800                    | 1    |
| HB01478100     | 10 x 100 x 1     | 1848 A                | 1000                   | 1    |

Standard Product 2 - M Long

| Catalog Number | Description (mm) | Rated Current at 75 C | Cross Section (sq. mm) | Qty. |
|----------------|------------------|-----------------------|------------------------|------|
| HB01084        | 6 x 9 x 0.8      | 210 A                 | 43.2                   | 1    |
| HB01146        | 6 x 13 x 0.5     | 207 A                 | 39.0                   | 1    |
| HB01089        | 4 x 15.5 x 0.8   | 244 A                 | 49.6                   | 1    |
| HB01090        | 6 x 15.5 x 0.8   | 306 A                 | 74.4                   | 1    |
| HB01091        | 10 x 15.5 x 0.8  | 411 A                 | 124                    | 1    |
| HB01062        | 3 x 20 x 1       | 286 A                 | 60                     | 1    |
| HB01063        | 6 x 20 x 1       | 418 A                 | 120                    | 1    |
| HB01064        | 10 x 20 x 1      | 560 A                 | 200                    | 1    |
| HB01075        | 5 x 24 x 1       | 433 A                 | 120                    | 1    |
| HB01076        | 10 x 24 x 1      | 637 A                 | 240                    | 1    |
| HB01095        | 5 x 32 x 1       | 540 A                 | 160                    | 1    |
| HB01096        | 10 x 32 x 1      | 783 A                 | 320                    | 1    |
| HB01099        | 10 x 40 x 1      | 922 A                 | 400                    | 1    |
| HB01112        | 5 x 50 x 1       | 770 A                 | 250                    | 1    |
| HB01113        | 10 x 50 x 1      | 1089 A                | 500                    | 1    |

HOLDERS, FOR LAMINATED BUSBARS (UP TO 10-MM LAMINATION PACKS)



Holders fasten to 35-mm symmetrical DIN rail. A set of 4 can be used to hold 3 lengths of flexible busbars in a typical application.

BULLETIN: HB2

| Catalog Number | Description | Qty. | UL508 | cUL |
|----------------|-------------|------|-------|-----|
| HB01303        | Holder      | 4    | —     | —   |

## **AMBUS® J-CARRIER, CLASS J FUSE HOLDER, CLIP-ON MOUNTING, STANDARD MODEL**



DIN Rail mountable fuse holders for 30 and 60 A ferrule size UL Class J fuses. Offered in single pole, 2-pole or 3-pole configurations. Holders meet IP20 touchsafe design standards. *AMBUS J-Carrier is a trademark of Wöhner GmbH & Co. KG.*

**BULLETIN: HB2**

| Catalog Number | Description (mm) | Type   | Rated Current/Rated Voltage | Connection                | Width (mm) | Qty. | UL4248 | CSA |
|----------------|------------------|--------|-----------------------------|---------------------------|------------|------|--------|-----|
| HB31284        | 21 x 57          | 1-pole | 30 A/600 VAC                | 0.75 - 50 sq. mm AWG 18-1 | 36         | 6    | •      | •   |
| HBF31284       | 21 x 57          | 1-pole | 30 A/600 VAC/30 A/600 VAC   | 0.75 - 50 sq. mm AWG 18-1 | 36         | 1    | •      | •   |
| HB31285        | 21 x 57          | 2-pole | 30 A/600 VAC                | 0.75 - 50 sq. mm AWG 18-1 | 72         | 3    | •      | •   |
| HBF31285       | 21 x 57          | 2-pole | 30 A/600 VAC                | 0.75 - 50 sq. mm AWG 18-1 | 72         | 1    | •      | •   |
| HB31287        | 21 x 57          | 3-pole | 30 A/600 VAC                | 0.75 - 50 sq. mm AWG 18-1 | 108        | 2    | —      | •   |
| HBF31287       | 21 x 57          | 3-pole | 30 A/600 VAC                | 0.75 - 50 sq. mm AWG 18-1 | 108        | 1    | —      | •   |
| HB31920        | 27 x 60          | 1-pole | 60 A/600 VAC                | 2.5 - 50 sq. mm AWG 14-1  | 40         | 6    | —      | •   |
| HBF31920       | 27 x 60          | 1-pole | 60 A/600 VAC                | 2.5 - 50 sq. mm AWG 14-1  | 40         | 1    | —      | •   |
| HB31921        | 27 x 60          | 2-pole | 60 A/600 VAC                | 2.5 - 50 sq. mm AWG 14-1  | 80         | 3    | —      | •   |
| HBF31921       | 27 x 60          | 2-pole | 60 A/600 VAC                | 2.5 - 50 sq. mm AWG 14-1  | 80         | 1    | —      | •   |
| HB31922        | 27 x 60          | 3-pole | 60 A/600 VAC                | 2.5 - 50 sq. mm AWG 14-1  | 120        | 2    | —      | •   |
| HBF31922       | 27 x 60          | 3-pole | 60 A/600 VAC                | 2.5 - 50 sq. mm AWG 14-1  | 120        | 1    | —      | •   |

## **AMBUS® J-CARRIER, CLASS J FUSE HOLDER, CLIP-ON MOUNTING, MODEL WITH LIGHT INDICATOR 110-600 VAC/DC**

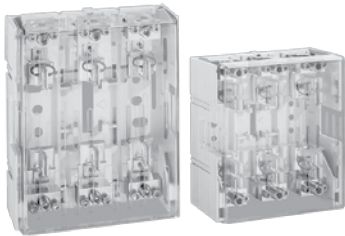


DIN Rail mountable fuse holders for 30 and 60 A ferrule size UL Class J fuses. Offered in single pole, 2-pole or 3-pole configurations with LED open fuse indication. Indicator operates on systems between 110 and 600 V. The LED lamp will glow when the fuse is open (blown). Holders meet IP20 touchsafe design standards. *AMBUS J-Carrier is a trademark of Wöhner GmbH & Co. KG.*

**BULLETIN: HB2**

| Catalog Number | Description (mm) | Type   | Rated Current/Rated Voltage | Connection           | Width (mm) | Qty. | UL4248 | CSA |
|----------------|------------------|--------|-----------------------------|----------------------|------------|------|--------|-----|
| HB31932        | 21 x 57          | 1-pole | 30 A/600 VAC                | 0.75 - 50 sq. mm AWG | 36         | 6    | •      | •   |
| HBF31932       | 21 x 57          | 1-pole | 30 A/600 VAC                | 0.75 - 50 sq. mm AWG | 36         | 1    | •      | •   |
| HB31933        | 21 x 57          | 2-pole | 30 A/600 VAC                | 0.75 - 50 sq. mm AWG | 72         | 3    | •      | •   |
| HBF31933       | 21 x 57          | 2-pole | 30 A/600 VAC                | 0.75 - 50 sq. mm AWG | 72         | 1    | •      | •   |
| HB31934        | 21 x 57          | 3-pole | 30 A/600 VAC                | 0.75 - 50 sq. mm AWG | 108        | 2    | •      | •   |
| HBF31934       | 21 x 57          | 3-pole | 30 A/600 VAC                | 0.75 - 50 sq. mm AWG | 108        | 1    | •      | •   |
| HB31923        | 27 x 60          | 1-pole | 60 A/600 VAC                | 2.5 - 50 sq. mm AWG  | 40         | 6    | •      | •   |
| HBF31923       | 27 x 60          | 1-pole | 60 A/600 VAC                | 2.5 - 50 sq. mm AWG  | 40         | 1    | •      | •   |
| HB31924        | 27 x 60          | 2-pole | 60 A/600 VAC                | 2.5 - 50 sq. mm AWG  | 80         | 3    | •      | •   |
| HBF31924       | 27 x 60          | 2-pole | 60 A/600 VAC                | 2.5 - 50 sq. mm AWG  | 80         | 1    | •      | •   |
| HB31925        | 27 x 60          | 3-pole | 60 A/600 VAC                | 2.5 - 50 sq. mm AWG  | 120        | 2    | •      | •   |
| HBF31925       | 27 x 60          | 3-pole | 60 A/600 VAC                | 2.5 - 50 sq. mm AWG  | 120        | 1    | •      | •   |

QUADRON® J-CARRIER, CLASS J FUSE HOLDER, SCREW-ON



UL Class J 100 A, 200 A and 400 A panel-mount fuse holders. Clear plastic cover satisfies IP20 touchsafe design standards. The only 3-pole blade size Class J fuse holder in the industry with integral touchsafe cover.  
*QUADRON J-Carrier is a trademark of Wöhner GmbH & Co. KG.*

BULLETIN: HB2

| Catalog Number | Description (mm) | Type   | Rated Current/Rated Voltage | Connection                    | Width (mm) | Qty. | UL4248 | CSA |
|----------------|------------------|--------|-----------------------------|-------------------------------|------------|------|--------|-----|
| HB33306        | 29 x 117         | 3-pole | 100 A/600 VAC               | 6.0 - 70 sq. mm AWG 10-2/0    | 184        | 1    | •      | •   |
| HB33307        | 41 x 146         | 3-pole | 200 A/600 VAC               | 10 - 150 sq. mm AWG 8-300 MCM | 210        | 1    | •      | •   |
| HB33308        | 54 x 181         | 3-pole | 200 A/600 VAC               | 16 - 300 sq. mm AWG 4-600 MCM | 256        | 1    | •      | •   |

AMBUS® EASYSWITCH



DIN Rail mountable fuse holders for UL recognized Midget (10 x 38 mm) dimension cylindrical fuses. Offered in single pole, 2-pole or 3-pole configurations with or without LED open fuse indication. Indicator operates on systems between 110 and 690 V. The LED lamp will glow when the fuse is open (blown). Holders meet IP20 touchsafe design standards.  
*AMBUS EasySwitch is a trademark of Wöhner GmbH & Co. KG.*

BULLETIN: HB2

| Catalog Number | Description (mm) | Type   | Rated Current/Rated Voltage | Connection                | Width (mm) | Qty. | UL4248 | CSA |
|----------------|------------------|--------|-----------------------------|---------------------------|------------|------|--------|-----|
| HB31110        | 10 x 38          | 1-pole | 32 A/690 VAC, 440 VDC       | 0.75 - 25 sq. mm AWG 18-4 | 18         | 12   | •      | •   |
| HB31971        | 10 x 38          | 1-pole | 1000 VDC                    | 0.75 - 25 sq. mm AWG 18-4 | 18         | 10   | —      | —   |
| HB31112        | 10 x 38          | 2-pole | 32 A/690 VAC, 440 VDC       | 0.75 - 25 sq. mm AWG 18-4 | 36         | 6    | •      | •   |
| HB31113        | 10 x 38          | 3-pole | 32 A/690 VAC, 440 VDC       | 0.75 - 25 sq. mm AWG 18-4 | 54         | 4    | •      | •   |
| HB31130        | 10 x 38 w/LED    | 1-pole | 32 A/690 VAC, 440 VDC       | 0.75 - 25 sq. mm AWG 18-4 | 18         | 12   | •      | •   |
| HB31132        | 10 x 38 w/LED    | 2-pole | 32 A/690 VAC, 440 VDC       | 0.75 - 25 sq. mm AWG 18-4 | 36         | 6    | •      | •   |
| HB31133        | 10 x 38 w/LED    | 3-pole | 32 A/690 VAC, 440 VDC       | 0.75 - 25 sq. mm AWG 18-4 | 54         | 4    | •      | •   |

AMBUS® EASYSWITCH CLASS CC



DIN Rail mountable fuse holders for UL Listed Class CC fuses. Offered in single pole, 2-pole or 3-pole configurations with LED open fuse indication. Indicator operates on systems between 110 and 600 V. The LED lamp will glow when the fuse is open (blown). Holders meet IP20 touchsafe design standards.  
*AMBUS EasySwitch is a trademark of Wöhner GmbH & Co. KG.*

BULLETIN: HB2

| Catalog Number | Description                               | Type   | Rated Current/Rated Voltage | Connection                | Width (mm) | Qty. | UL4248 | CSA |
|----------------|-------------------------------------------|--------|-----------------------------|---------------------------|------------|------|--------|-----|
| HB31295        | Standard Model                            | 1-pole | 30 A/600 VAC                | 0.75 - 25 sq. mm AWG 18-4 | 18         | 12   | •      | •   |
| HB31296        | Standard Model                            | 2-pole | 30 A/600 VAC                | 0.75 - 25 sq. mm AWG 18-4 | 36         | 6    | •      | •   |
| HB31297        | Standard Model                            | 3-pole | 30 A/600 VAC                | 0.75 - 25 sq. mm AWG 18-4 | 54         | 4    | •      | •   |
| HB31298        | Model with light indicator 110-600 VAC/DC | 1-pole | 30 A/600 VAC                | 0.75 - 25 sq. mm AWG 18-4 | 18         | 12   | •      | •   |
| HB31299        | Model with light indicator 110-600 VAC/DC | 2-pole | 30 A/600 VAC                | 0.75 - 25 sq. mm AWG 18-4 | 36         | 6    | •      | •   |
| HB31300        | Model with light indicator 110-600 VAC/DC | 3-pole | 30 A/600 VAC                | 0.75 - 25 sq. mm AWG 18-4 | 54         | 4    | •      | •   |
| HB31929        | Model with LED 12-72 VAC/DC               | 1-pole | 30 A/600 VAC                | 0.75 - 25 sq. mm AWG 18-4 | 18         | 12   | •      | •   |

## ACCESSORIES FOR AMBUS® EASYSWITCH, CONNECTION BOTTOM OR TOP



Comb-type busbar is an alternative to point-to-point wiring on the primary side of the 10x38 and Class CC fuse holders that have an 18mm pitch. It eliminates the need for a power distribution block and wiring duct to contain the AWG wires feeding multiple fuse blocks. Available for both 1-pole and 3-phase configurations. *AMBUS® EasySwitch is a trademark of Wöhner GmbH & Co. KG*

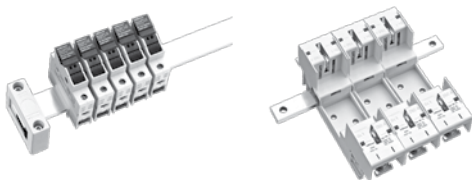
**BULLETIN: HB2**

| Catalog Number | Description                   | Length (m) | Rated Current/<br>Rated Voltage | Qty. | UL508 | CSA |
|----------------|-------------------------------|------------|---------------------------------|------|-------|-----|
| HB31548        | 1-pole, insulated, 18mm pitch | 1          | 100A <sup>a</sup> /1000V        | 1    | •     | •   |
| HB31549        | 3-pole, insulated, 18mm pitch | 1          | 100A <sup>a</sup> /600V         | 1    | •     | •   |

<sup>a</sup> 100 ampere rated if connected from one end, 200 ampere rated if connected in the center.

| Catalog Number | Description                       | Rated Current/<br>Rated Voltage | Qty. | UL508 | cUL |
|----------------|-----------------------------------|---------------------------------|------|-------|-----|
| HB31550        | Connection terminal, AWG 10 - 1/0 | 11A/1000V                       | 1    | •     | •   |
| HB31552        | 3-pole, end-insulator             | ---                             | 2    | •     | •   |

## PV FUSE HOLDERS, BUSBAR COMBINED DC CURRENT



Fuse holders for mounting circuit protection devices for the wires and cables associated with photovoltaic installations. These devices allow the combining of current on metric dimension busbars. The design eliminates the bending radius space associated with large cables.

**BULLETIN: HB2**

| Catalog Number | Width<br>mm/in. | For Use With                                    | Qty. | UL4248         |
|----------------|-----------------|-------------------------------------------------|------|----------------|
| HB31570        | 22.5            | 30A, 1000Vdc, 10x38 PV fuses, 30x5 or 30x10 bar | 1    | •              |
| HB31570        | 22.5            | 30A, 1000Vdc, 10x38 PV fuses, 30x5 or 30x10 bar | 12   | •              |
| HB03289        | 60              | 200A, 1500Vdc, NH1XL PV fuses, 2x 30x10 bar     | 1    | • <sup>a</sup> |
| HB03293        | 83              | 400A, 1500Vd, NH2XL/NH3L PV fuses, 2x 40x10 bar | 1    | • <sup>a</sup> |

<sup>a</sup>UL4248-18 pending.

Notes