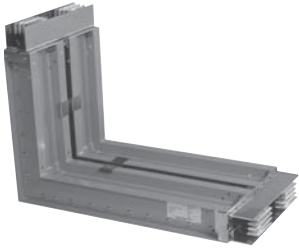


Pow-R-Way III Upward Elbow



6.1 Pow-R-Way III

Pow-R-Way III Busway

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| Product Description | V2-T6-2 |
| Features, Benefits and Functions | V2-T6-12 |
| Standards and Certifications | V2-T6-13 |
| Product Support | V2-T6-13 |
| Catalog Number Selection | V2-T6-14 |
| Product Selection | V2-T6-15 |
| Technical Data and Specifications | V2-T6-19 |
| Dimensions | V2-T6-23 |

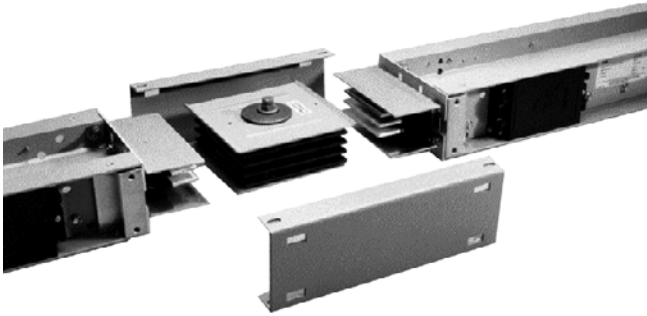


6.1

Low-Voltage Busway

Pow-R-Way III

Pow-R-Way III Busway



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Contents

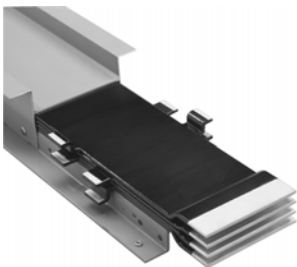
| <i>Description</i> | <i>Page</i> |
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| Pow-R-Way III Busway | |
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Pow-R-Way III Busway

Product Description

Superior Housing Design and a True Sandwich Design Maximize Busway Performance

Eaton's Pow-R-Way III® is constructed with a lightweight and durable, two-piece, aluminum-extruded housing. The non-ventilated housing design excludes potential points of penetration by moisture or dust. Busbars for plug-in applications have full-sized conductor tabs welded by a fully automated state-of-the-art welding process. This design extends the contact surfaces outside of the busway housing and into the plug-in outlet. The benefits of the true sandwich design for both plug-in and feeder busway include improved coordination and heat dissipation, better bracing and the elimination of the "chimney effect."



Cut-Away Section of Plug-In Busway

Epoxy Insulation Provides Exceptional Performance

The phase and neutral bars are insulated with Class B, 130 °C, epoxy insulation applied by an automated fluidized bed process. This application insulates the conductors in a precise and controlled manner to ensure smooth, continuous, high quality protection. Following the epoxy insulation process, all contact surfaces are silver-plated to provide an extremely durable connection. Tin-plating is also an option.



Indoor Joint Assembly

Pow-R-Way III Bridge Joint Reduces Installation Time and Provides Flexibility for Future Modifications

Pow-R-Way III joint connections are made with the rugged Pow-R-Bridge joint package. A Pow-R-Bridge is installed on each section of busway prior to shipment. Job site connections are made quickly by releasing the bridge joint bolt, moving the next section into place, and retightening the bolt. Torque-indicating, double-headed bolts with fall-away instruction tags are provided to ensure that proper installation torque is achieved. The Pow-R-Bridge provides an adjustment in section length of up to ±0.5-inch (12.7 mm) at each joint.



Bridge Joint Assembly

Pow-R-Way III Offers Grounding and Neutral Options to Meet Every Customer Preference and Need

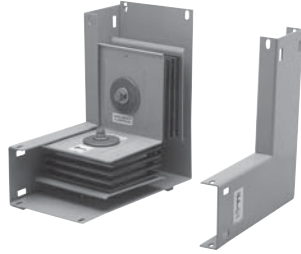
The aluminum housing is UL® listed as a 50% integral ground path and is provided as a standard, economical ground system. A 50% internal ground bar is also available. In certain industrial applications, a ground path greater than 50% may be required. Pow-R-Way III can solve this problem in a cost-efficient manner through combining the 50% integral housing ground with the 50% internal ground. To meet the growing demand for grounding isolation, Pow-R-Way III also offers a 50% isolated ground bar. When customers are concerned about harmonics and overheating generated by nonlinear loads, Pow-R-Way III provides a solution through a fully rated 200% capacity neutral bar.



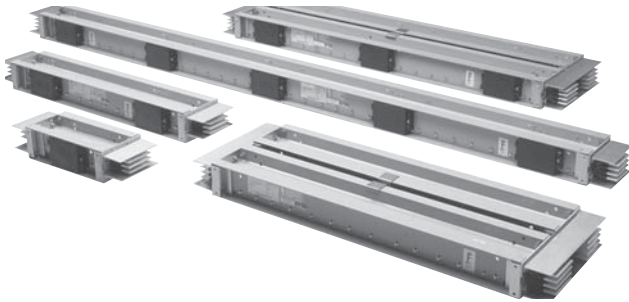
Joint End

A Space-Saving Innovation— The Corner Joint Elbow

The Pow-R-Way III corner joint combines the features of the Pow-R-Bridge with reduced elbow leg lengths. Due to its compact design, the corner joint allows for layouts that provide optimum use of space and increases available plug-in openings.



Upward Corner Joint



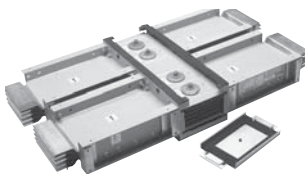
Straight Lengths

A Complete Line of Fittings for Indoor and Outdoor Applications

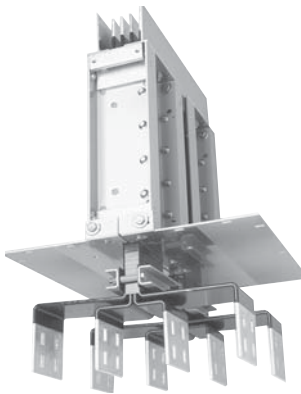
Pow-R-Way III offers an extensive range of fittings to meet every application need. Flanges, elbows, end cable tap boxes and end closers are used in basic busway routing. For more complex layouts, combination elbows and offsets can be used along with transformer throats, vault flanges, reducers and expansion joints.



End Cable Tap Box



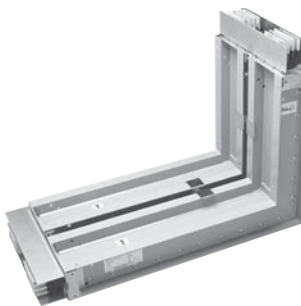
Outdoor Joint Assembly



Standard Switchboard Flange



Plug-In Unit



Upward Elbow

Enhanced Bus Plug Design Facilitates Installation and Improves Safety

Pow-R-Way III plug-in protective devices are available in circuit breaker and fusible switch designs. Standard features include: oversized enclosures, extended ground and neutral bars, line side barriers, bus plug alignment pin, busway interlock and improved clamp and guides. Advanced bus plugs provide protection, communication and coordination capabilities using integrated SPDs, Digitrip and Power Xpert Release electronic trip units, and Advantage motor control components and receptacle plugs.

High 6-Cycle Short-Circuit Ratings Optimize Coordination Between Busway and Power Equipment and Meet High Quality Standards

All ratings of Pow-R-Way III have been tested to 6-cycle standards and have achieved a minimum rating of 85 kA and a maximum rating of 200 kA rms symmetrical.



**Typical Busway Installation
(Torque Indicating Bolt)**



Final Busway Assembly



Rearward Corner Joint Assembly

6.1

Low-Voltage Busway

Pow-R-Way III

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General Information

- Determine the total footage, all fittings and accessories for entire busway run. Price the total footage by type and system requirements. Round footage up to the nearest foot. Add the fabrication charge for the fittings. Add any additional accessories required for the total price of the busway run
- See NEC® 364.11 for Reducer Application
- Fusible reducers are 600 V maximum; fuses are not included

Transformer Connections

- Transformer tap bus extensions do not include drilling or lugs
- Transformer throats include flexible connectors

Commercial Metering Connections

- For use with 33MM, 37MM and 37SS meter stack modules; order separately
- Main breaker units include circuit breaker and trip units
- 1200 A or greater main devices must be center fed when installing 800 A residential meter sockets and 1200 A commercial meter sockets
- Spacer kit 3MMBSK may be required when stacks are mounted on right-hand side in EUSERC areas
- Class T fuse clips only; fuses not included
- Compatible with indoor corner elbow accessory 3MMEB12 and 3MMEB16
- In-line metering PTO with no overcurrent protection should only be used with six meter sockets/tenant main circuit breakers or less, or applied per local code

Plug-In

- Straight sections of plug-in busway are available in 2 ft (0.6 m) increments from 2 ft (0.6 m) minimum to 10 ft (3 m) maximum. Pow-R-Bridge joint is included

Sprinkler-Proof Plug-In

- For sprinkler-proof plug-in, multiply the plug-in price by 1.15 and use outdoor pricing for the feeder busway

Feeder

- Straight sections of feeder busway are available in 1/8-inch (3.2 mm) increments from 16 inches (406 mm) minimum to 10 ft (3 m) maximum. Pow-R-Bridge joint is included. Busway must carry at least a 50% load in all outdoor applications

Hangers/Pow-R-Bridge

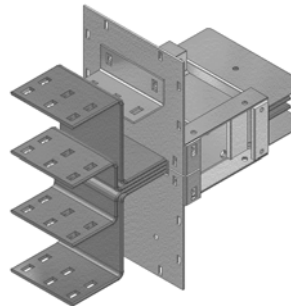
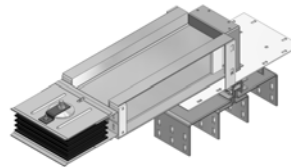
- The busway price includes one horizontal hanger per 10 ft (3 m) of busway and one Pow-R-Bridge joint per connection. All vertical hangers and any additional horizontal hangers should be added to the total price

Ground

- A 50% integral housing ground is provided as standard. The housing ground can be used in combination with the internal ground or the isolated ground to achieve a 100% ground rating

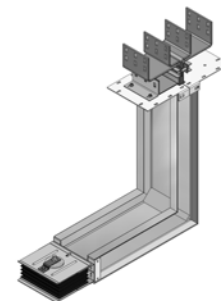
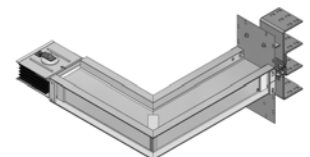
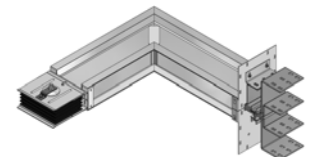
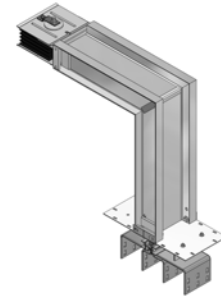
Standard and Flush Flanges

Flanges provide a direct connection to low-voltage switchgear, switchboards, motor control centers and other apparatus. Cutout dimensions and drilling plans are provided with the customer drawings, and it is the responsibility of the switchgear manufacturer to provide the opening, flange drillings, connecting hardware and bus risers in their equipment. For proper coordination between busway and other equipment, detailed drawings, including switchgear orientation, must accompany the order. A standard flange can be supplied to the left or right of a section, as required. A flush flange is used when the busway must lay close to the top of a switchboard. The edge of the busway is 1.25 of the switchboard.



Elbow Flanges

An elbow flange is a combination of a standard elbow and a standard flange fabricated into a single fitting. Elbow flanges are typically used when the minimum leg lengths for either the standard elbow or the standard flange cannot be maintained.



Traditional Indoor and Outdoor Elbows

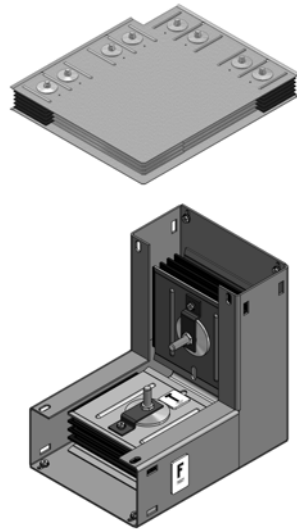
Elbows are used to make 90° changes in the direction of busway runs. The four types that are available are forward, rearward, upward and downward.



Corner Joint Elbows

The Pow-R-Way III corner joint elbow can be installed in areas where a traditional 90° turn could never have been accomplished before.

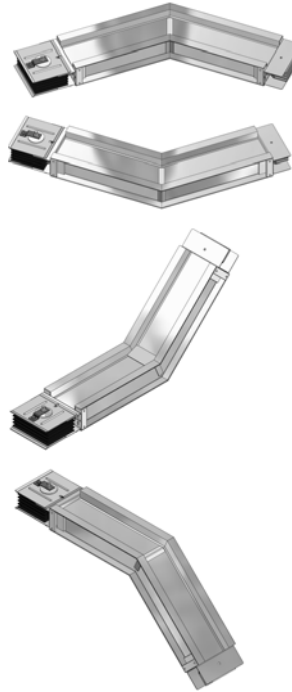
Pow-R-Way III corner joint elbows can solve any serious pathway problem and contribute to successful layouts with minimal space requirements. The corner joint elbow is UL listed for indoor applications only and is also certified for seismic withstand capability to worst-case, Zone 4 levels.



For Indoor Use Only

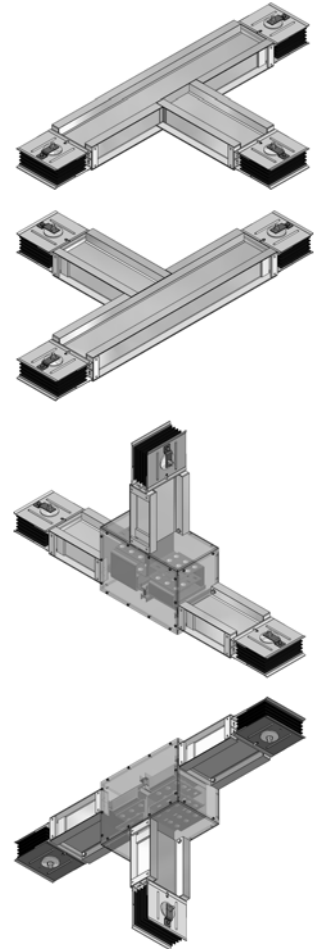
Special Angle Elbows

Special angle elbows are traditional elbows that allow the direction of the busway runs to change at angles greater than 90°. They allow easy routing through non-traditional corridors. The four types offered are forward, rearward, upward and downward.



Tees

A tee is a busway fitting suitable for connection in three directions.



6.1

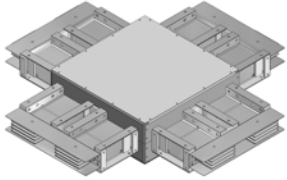
Low-Voltage Busway

Pow-R-Way III

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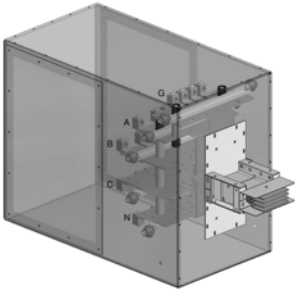
Crosses

A cross is a busway fitting suitable for connection in four directions. It is applied when a bus run must branch off in three directions, all in the same plane.



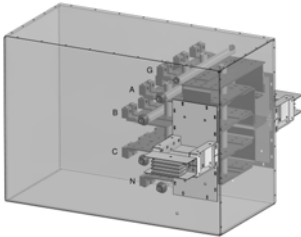
End Cable Tap Box

End cable tap boxes are used to feed a run of busway with cable and conduit or where loads served by busway are connected without the need for overcurrent protection.



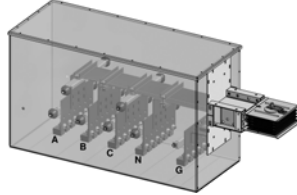
Center Cable Tap Box

Center cable tap boxes are used to center feed a run of busway with cable and conduit or where loads served by the busway are connected without the need for overcurrent protection.



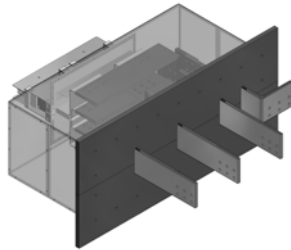
Weatherheads

Weatherheads are used for service entrance connections to busway.



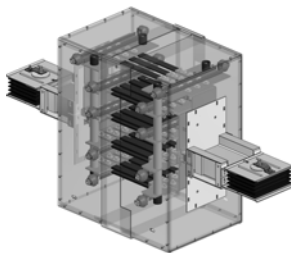
Vault Flanges

Vault flanges are used to enter a utility vault for termination to the utility transformer. Each vault flange is custom designed to meet each specific utility specification. Vault flanges may look similar to those shown in figure below.



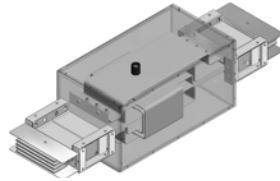
Expansion Joints

Expansion joints accommodate the expansion and contraction of busbars with respect to the enclosure. They compensate for the difference in the coefficient of expansion of the aluminum housing and the copper or aluminum busbars. Expansion joints must be used wherever a run of busway crosses an expansion joint of a building. They should also be installed in the center of extremely long straight runs of busway; one every 300 ft (91 m) for copper or one every 225 ft (68 m) for aluminum.



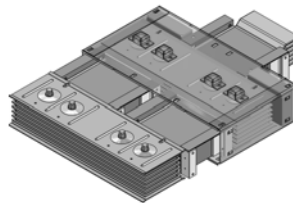
Phase Transpositions

Phase transposition fittings are used in applications where a phase rotation is needed due to a change in phasing from the source equipment to the load equipment. Both 90° and 180° rotations are possible. In each case, all conductors are rotated.



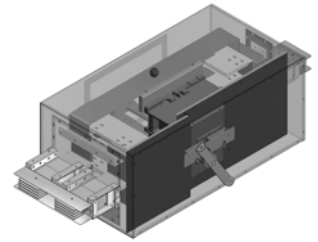
Non-Protected Reducers

Non-protected reducers are used to reduce the ampacity of the busway without overcurrent devices. Per NEC Section 364.11, for industrial applications, no overcurrent protection is required where the busway is reduced in size, provided the length of the smaller busway does not extend more than 50 ft (15.2 m) and has a current rating of at least one-third of the first upstream overcurrent device.



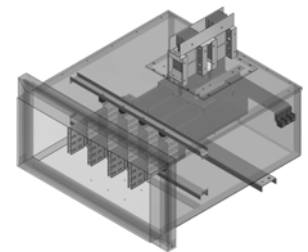
Protected Reducers

Protected reducers are used to reduce the ampacity of busway using either a circuit breaker or a fused, non-automatic circuit breaker overprotection device. Both serve as a disconnecting means. The line side of the cubicle is connected to the higher rated busway and the load side is connected to the lower (reduced) rated busway.



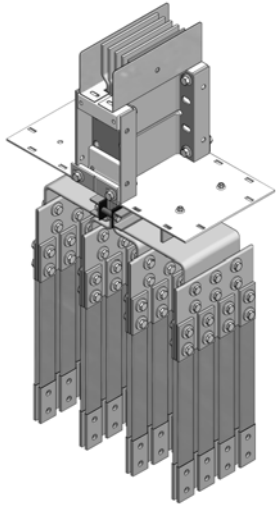
Transformer Throat Connections

A transformer throat is used when making connections to a liquid-filled substation transformer. All transformer throat connections include flexible connectors between the transformer low-voltage spades and Pow-R-Way III busbars. For transformers with drilled flanges, the busway will bolt to the transformer throat instead of using a sealing ring.



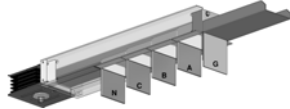
Transformer Flange Connections

Transformer flange connections are used when making a connection to a dry-type substation transformer. Transformer flange connections include flexible connectors between the transformer low-voltage spades and the Pow-R-Way III flange busbars.



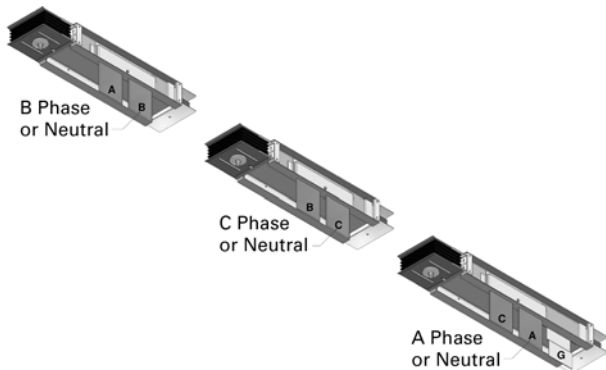
Three-Phase Transformer Taps

Three-phase transformer taps are used when making connections to a three-phase transformer. The bus extensions do not include drilling or lugs.



Single-Phase Transformer Taps

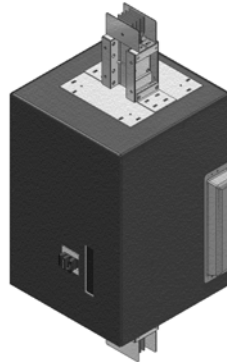
Single-phase transformer taps arrangements are used for connections to three single-phase transformers. The bus extensions do not include drilling or lugs.



In-Line Power Takeoff

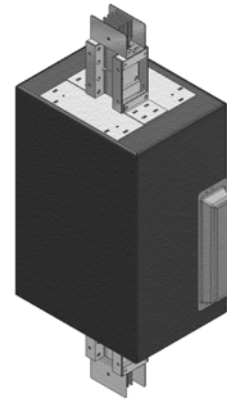
Main Circuit Breaker PTO

The in-line main circuit breaker PTO shown in figure to the left is available with trip ratings from 300 A up to 1200 A; using L-, M- and N-Frame circuit breakers. This device is indoor rated and may be sprinkler-proofed upon request.



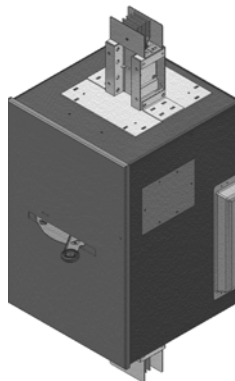
Unprotected PTO

The in-line PTO with no main device shown in figure to the left comes with 1200 A horizontal cross bus as standard. This device is intended for use with six or fewer meter sockets, or as local code permits.



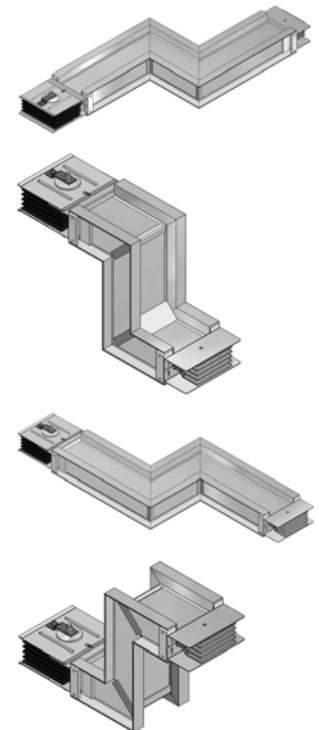
Main Fusible Switch PTO

The in-line main fusible switch PTO shown in figure to the left is available with 400, 600 and 800 A switches; using Class "T" fuses. This device is indoor rated only. The switch handle is mounted in front, eliminating interference with the meter sockets and the need for spacers between the main device and the meter stack. It comes with a hinged door, giving easy access to the fuses mounted below the main switch.



Offsets

An offset is used to avoid obstacles and to conform to the building's structure. It is two elbows fabricated into a single fitting for use where space restrictions prohibit the use of two standard 90° elbows.



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Low-Voltage Busway

Pow-R-Way III

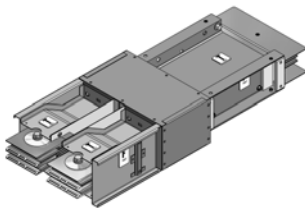
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Pow-R-Way III Adapters

A complete line of adapters are available to enable the user to add to existing old-line Westinghouse® or obsolete Cutler-Hammer® bus runs with the Pow-R-Way III design. The specific Westinghouse product lines are low impedance busway, current-limiting busway, Pow-R-Way and Pow-R-Way II. The obsolete Cutler-Hammer designs are CP2, CP3 and CP4 Safetybus.

The adapters allow the incorporation of present-day technologies, available in Pow-R-Way III plug-in units, into existing busway systems. State-of-the-art features such as energy monitoring, transient voltage surge suppression and coordination/communication capabilities can all be added to existing distribution systems without having to upgrade and replace entire runs of busway.

Special adapters to competitive busway products are also available. Please contact the Greenwood factory for information.



Power Where You Need it!

As a leader in providing quality, robust, cutting-edge electrical distribution equipment, Eaton understands the importance of providing usable power access in a variety of applications. Eaton's Pow-R-Way III busway continues to offer electrical distribution solutions that are flexible and without limitations, and are energy efficient, saving time and money.

Pow-R-Way III Receptacle Plug-In Units

Eaton now offers a full line of receptacle plug-in units for use on Pow-R-Way III busway. Pow-R-Way III receptacle plug-in units come fully assembled and wired, reducing installation time. They are UL listed and offer a complementary line of accessories. Eaton's unique design makes them the most flexible receptacle units in the industry.

Data Centers—Data racks continue to process more information at higher speeds with constantly changing demands. Pow-R-Way III receptacle plugs offer the highest ampere ratings in the industry. Busway and receptacle plugs above the data racks provide faster installation, faster connectivity, easier rack changes and upgrades, and will run cooler than traditional cable methods.

Retail—As retail environments change meeting customer demands, Pow-R-Way III busway and receptacle plugs help make floor layout and display changes easier. Receptacle plugs allow for easy power access, eliminating costly conduit and cable work.

Schools and Laboratories

Pow-R-Way III receptacle plugs offer safe power access for instrumentation and other lab equipment at the point of use.

Machine Shops

Pow-R-Way III busway and receptacle plugs offer quick power connection for shop equipment and make it easy to change shop layouts as demands change.

Light Industrial

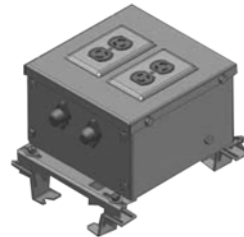
Pow-R-Way III busway and receptacle plugs help make manufacturing and assembly lines more flexible. Receptacle plugs bring easy power access for tools and equipment being used on the lines.

For application and layout assistance, and for additional information, please contact your local Eaton sales office or Eaton authorized distributor.

Fused Duplex Receptacle Plug-In Unit

These units allow you to quickly add standard receptacle power and come with the following features:

- Two fix-mounted NEMA® 5-20R or L5-20R duplex receptacles
- Fuse protection for each duplex receptacle
- 120 V maximum, single-phase

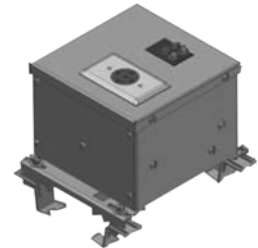


Fix-Mounted Duplex Receptacle

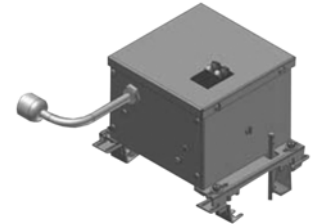
Single Receptacle Plug-In Unit

These units are configured to order based upon the type and size of receptacle ordered, and offer the following features:

- One single or duplex receptacle. Straight blade or twist lock, 5–30 A
- 240 V maximum, single-phase
- Type CH single-pole or two-pole circuit breaker protection
- Receptacles can be fix-mounted or cord-mounted
- Cord lengths are 1–25 feet in 1-foot increments



Fix-Mounted Single Receptacle



Cord-Mounted Single Receptacle

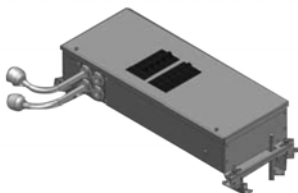
Quad Receptacle Plug-In Unit

These units are configured to order based upon the quantity, type and size of receptacles ordered. Any combination of receptacles can be ordered and offer the following features:

- Two to four receptacles. Any combination and size of standard NEMA configured receptacles
- 240 V maximum, three-phase
- Type CH single-pole, two-pole or three-pole circuit breaker protection
- Receptacles can be fix-mounted or cord-mounted
- Cord lengths are 1–25 feet in 1-foot increments



Fix-Mounted Quad Receptacle



Cord-Mounted Quad Receptacle

SPD Plug-In Devices

The Pow-R-Way III plug-in device product offering includes a surge protective device (SPD) that is ideal for busway fed distribution systems. A transient voltage is a random, high-energy, short duration electrical anomaly. These high-energy surges can disrupt, damage or destroy sensitive microprocessor-based equipment. Eaton has developed the SPD family of products to ensure that quality power is supplied to commercial, industrial, medical and institutional facilities.

The SPD not only protects against externally created impulse transients such as lightning, utility capacitor switching and disturbances emitted by adjacent facilities, but it also provides needed protection against internal transients. This type of transient is generated within a facility's own distribution system. Sources of internally generated or ringwave transients are imaging, equipment, variable frequency drives, lighting dimmers, arc welders, and the switching on and off of electrical distribution equipment. It is estimated that more than 80% of surge disturbances are actually caused by internal transients.

The SPD also filters repetitive electrical line noise (EMI/RFI), which is defined as any unwanted electrical signal that produces undesirable effects in the circuits of sensitive electronic equipment or disturbances that are two times peak voltage. The suppression of AC transients is accomplished through the use of metal oxide varistors (MOVs) that provide a low impedance path to divert surges away from loads. Electrical line noise and ringing transients are eliminated by adding filtering capacitors to the suppression device.

Not all SPD units on the market have filtering capabilities. The benefits of combining SPD and filtering are reduced MOV stress, resulting in a longer life cycle, lower let-through voltage, better noise attenuation levels and increased reliability.

Without protection devices, electronic-based loads and microprocessors are not provided with the noise- and disturbance-free power that they require. Because microprocessors are now common in those facilities, specifiers must ensure that the AC power supply is properly filtered. Significant performance advantages are achieved by integrating SPD filters into busway systems. Because the SPD unit is directly connected to the busway it is able to minimize let-through voltage and to isolate critical loads that are fed from a protected busway run. Due to the integrated design, the SPD bus plug saves the user-needed wall space and greatly reduces the installed project cost. The SPD bus plug is furnished with a breaker disconnect.



SPD Bus Plug

6.1

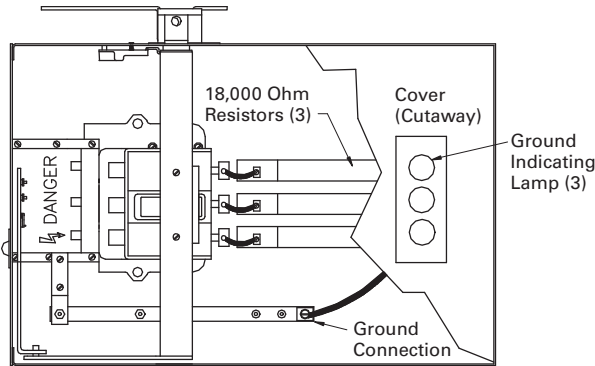
Low-Voltage Busway

Pow-R-Way III

Ground Detector/Neutralizer Bus Plug

In rare cases, busbars in a busway system pick up static electricity. In order to discharge this potential, a neutralizer and a ground detector bus plug is available. The unit has three 18,000 ohm resistors connected between the busbars and the ground. Static electricity is discharged through these resistors.

A neon lamp is wired in series with the busbar and part of the resistor and burns continuously. If there is a ground anywhere on the system of a lower resistance than the path through the lamp, the lamp will go out, indicating that there is a short in the system.



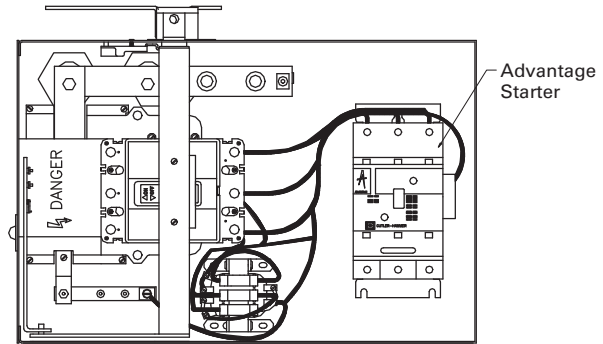
Combination Starter Bus Plugs

Eaton's Freedom™ and Advantage™ motor starters are included in the Pow-R-Way III bus plug product offering. Freedom motor starters offer state-of-the-art features that ensure greater value, flexibility and performance in the toughest commercial and industrial applications.

Advantage motor starters have features including a solid-state, heaterless overload relay with built-in ground fault protection. Advantage also features communication capabilities and an on-board micro-

processor that controls the contactor magnet to eliminate burnout in low-voltage or varying control circuit conditions.

Plug-in combination starters or contactors are mounted in enclosures identical to the circuit breaker and fusible switch type bus plugs including the clamp and guides, safety interlocks and guide pin. They are available from size 0 through 5 with a circuit breaker, motor circuit protector or fusible disconnect. Contact Eaton for specific application and outline dimensions.



Corner Joint Elbows

When it comes to bends and turns in a bus run, the Pow-R-Way III corner joint is the most compact elbow in the industry. Given the complexity of today's industrial and commercial distribution systems and the need to coordinate layouts with HVAC, plumbing and lighting requirements, space quickly becomes a critical factor.

The Pow-R-Way III corner joint elbow can be installed in areas where traditional 90-degree elbows could never have been accomplished before.

Due to its compact design, the corner joint also allows for layouts that provide optimum utilization of space. Critical section length that would normally be required for a traditional elbow leg length can now be dedicated to maximizing usable plug-in section length.

The corner joint is as reliable as traditional elbows. It is seismic certified and exceeds the requirements of both the UBC and CBC (Zone 4). The corner joint is UL listed for indoor applications.



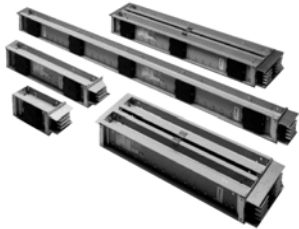
Corner Joint Elbows

Fittings and Accessories

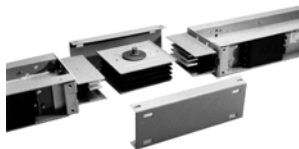
End cable tap boxes are available for all ratings. One horizontal hanger will be included for every 10 feet of busway. Please specify flatwise or edgewise.



Corner Joint Elbows



Plug-In and Feeder Busway



Pow-R-Bridge Assembly

Features, Benefits and Functions

Pow-R-Way III Offers a Full Line of Low-Voltage Busway to Meet the Needs of the Global Marketplace

Eaton has combined the requirements of NEMA, UL, CSA® and IEC into one design to present a world-class product in Pow-R-Way III. With standard features that include a two-piece aluminum housing, finger-safe plug-in outlets, an integral ground path and high 6-cycle short-circuit withstand ratings, Pow-R-Way III provides a busway system that can be used over a broad spectrum of industrial, commercial and institutional applications worldwide.

6

Product Offering

- **Plug-In Busway**
225–5000 A copper and 225–4000 A aluminum straight sections of plug-in busway are available in 2 ft (0.6 m) incremental lengths from a 2 ft (0.6 m) minimum to 10 ft (3 m) maximum. Plug-in busway is also available as sprinkler proof
- **Feeder Busway**
225–5000 A copper and 225–4000 A aluminum straight sections of indoor and outdoor feeder busway available in any length in 1/8-inch (3.2 mm) increments from a 16-inch (406 mm) minimum to a 10-foot (3 m) maximum. A wide range of fittings are available in indoor sprinkler-proof, or outdoor feeder busway
- **Plug-In Units**
A full family of busway plug-in units is available. Standard plug-in units include fusible or circuit breaker protection. Advanced plug-in units include integrated SPDs, Digitrip and Power Xpert Release electronic trip units and Advantage combination contactors and starters. A full line of receptacle plug-in units are available

Product Features and Benefits

- The all-aluminum two-piece housing provides durability and product integrity
- The lightweight and compact design results in easy installation
- The housing combined with a true sandwich design in both plug-in and feeder busway contributes to improve coordination and high short-circuit ratings
- An epoxy insulation process ensures optimum conductor and system protection
- Silver-plated joint and contact surfaces provide high-quality connections
- Highly automated manufacturing processes result in a superior product
- The Pow-R-Bridge joint package and torque indicating bolt gives a rugged, yet flexible and easy-to-install connection
- Corner joint elbows contribute to successful layouts and minimize space limitations
- High 6-cycle short-circuit ratings optimize coordination between busway and power equipment
- This world-class product design and manufacturing meets the requirements of NEMA, CSA, Seismic and ISO® and IEEE®
- Plug-in busway design and an enhanced bus plug-in unit facilitates installation and improves safety
- Flexible ground and neutral options provide solutions for any application problem
- A full family of plug-in units is available for every power need
- Advanced bus plugs provide protection, communication and coordination capabilities

Busway Capabilities

- The busway manufacturing plant in Hodges, SC, is able to meet your emergency or quick ship requirements with quick ship lead-times from 3 days to 2 weeks
- Customer approval drawings can be available in *2 weeks or less* to meet your project requirements
- Eaton's final field fit program ensures accurate layout and allows for minor last-minute modifications during installation
- Advanced system tools including Bid Manager™ programs provide quick and accurate product information

Standards and Certifications

- Pow-R-Way III meets the requirements of NEMA, UL 857, CSA C22.2 No. 27-94, IEEE, ANSI, IEC 439-1 and 2, IEC 529 and is manufactured in an ISO 9001 certified facility
- Pow-R-Way III meets the International Building Code standards and is certified in the Uniform Building Code® and the California Building Code to exceed Zone 4 requirements
- ANSI, NEMA, IEEE, CSA, UL 857
- 10 kAIC rms symmetrical
- Fused duplex—40 A maximum
- Single—70 A maximum
- Quad—125 A maximum

**Product Support**

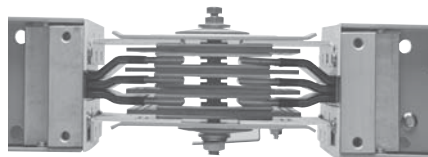
Busway product and application support is available from a professional team of Eaton employees that includes field sales engineers, application engineers, engineering service systems and busway product engineering services.

Additional Programs

Final Field Fit—This program was established to effectively manage the dimensional uncertainties that are often inherent in bus duct layouts. This program provides the assurance of an exact fit the first time. It allows for bus duct runs to be released for manufacture when certain dimensions are not yet determined. It also eliminates the costly delays that can occur when sections have to be remade in order to accommodate last-minute job site changes in routing. For program details, please see publication SA01702001E.

Field Measurements—

For larger and more complex projects, Eaton will provide factory assistance with taking busway layout measurements. We will take full accountability of all measurements and will ensure an exact fit. Contact your local Eaton sales office for pricing and availability.

Additional Information

Bridge Joint Assembly

- Product Brochure: BR01701001E
- Technical Data: TD01701003E
- Consulting Application Guide: CA08104001E
- Electrical Solutions Catalog: CA08105001E
- ABCs of Planning/Installation: IM01701002E
- Services and Solutions: BR01701002E

Pow-R-Way III

- Technical Data: TD01701003E
- ABCs of Busway: IM01701002E
- Brochure: BR01701001E

Service and Solutions

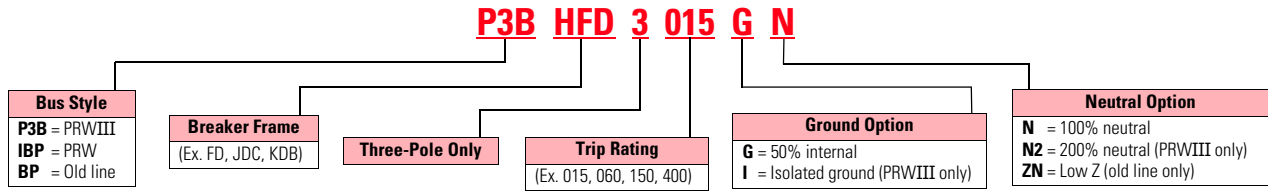
- Installation and Maintenance: IB01701001E
- Selling Policy: 25-000
- Discount Symbol: CE3-LV Busway
CE4-LV Busway Devices

6.1 Low-Voltage Busway

Pow-R-Way III

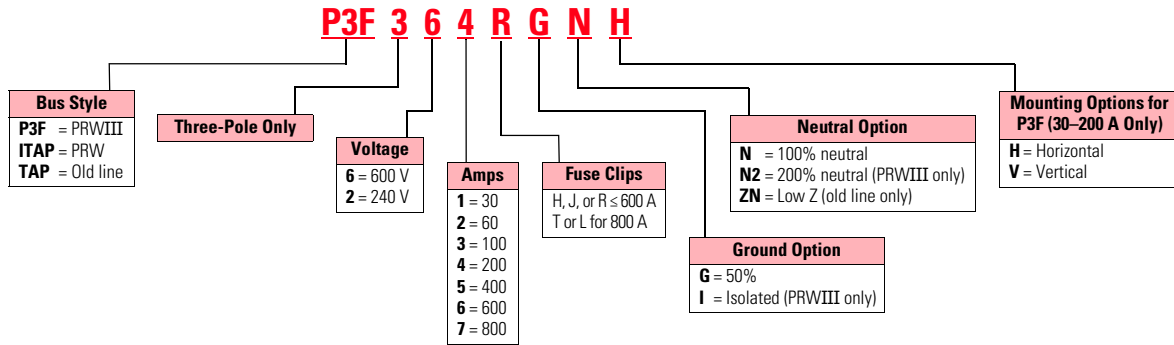
Catalog Number Selection

Breaker Unit

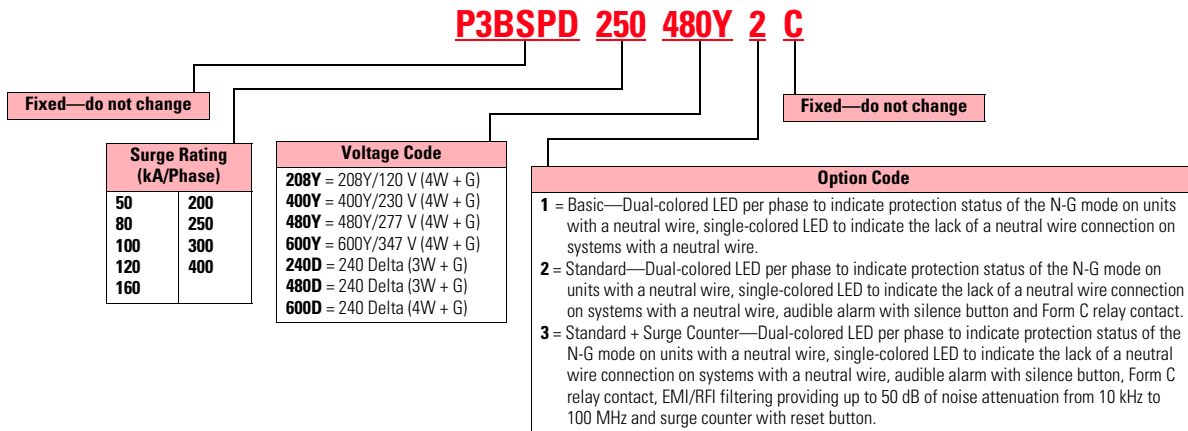


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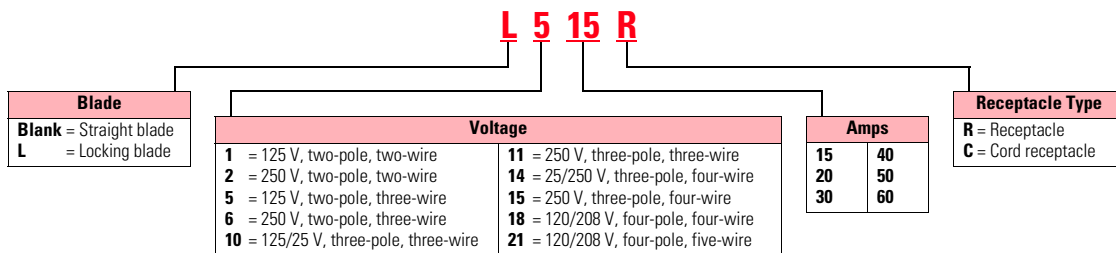
Fusible Unit



SPD Series Bus Plug



NEMA Receptacle Configuration



Notes

“H” clips are standard for PRW and old line unless specified by adding “R” in catalog number.
Please call Greenwood low-voltage busway department for help in assigning a catalog number for a specific application.
Do not leave spaces between characters. Example: P3BFD3100N; ITAP361N.
All plug-in units come fully assembled.

Product Selection

Circuit Breaker Plug-In Units

Horizontal Install (Front View)



Horizontal Install (Rear View)



Circuit Breaker Plug-In Units

| Breaker Frame | Ampere Rating | Plug-In Enclosure Catalog Number ① | 100% Neutral Stab Catalog Number | 50% Internal Ground Stab Catalog Number | 50% Isolated Ground Stab Catalog Number | 200% Neutral Stab Catalog Number |
|--------------------------------------|---------------|------------------------------------|----------------------------------|---|---|----------------------------------|
| ED, EDH, EHD, EDC, FDB, FD, HFD, FDC | 10–225 | P3BFD | P3FDN100 | P3FG100 | P3FDI100 | P3FD2N100 |
| | | | P3FDN225 | — | P3FDI225 | P3FD2N225 |
| JDB, JD, HJD, JDC | 70–250 | P3BJD | P3JDN150 | — | P3JDI150 | P3JD2N150 |
| | | | P3JDN250 | P3JDG250 | P3JDI250 | P3JD2N250 |
| KDB, KD, DK, HKD, KDC | 100–400 | P3BKD | P3KDN400 | P3KDG400 | P3KDI400 | P3KD2N400 |
| LDB, LD, HLD, LDC | 300–600 | P3BLD | P3MDN800 | P3MDG800 | P3MDI800 | — |
| MDL, HMDL | 400–800 | P3BMD | P3MDN800 | P3MDG800 | P3MDI800 | — |
| ND, HND, NDC | 400–800 | P3BND | P3NDN800 | P3NDG800 | P3NDI800 | — |
| FB TRI-PAC | 15–100 | P3BFBP | P3FBPN100 | P3FBPG100 | P3BFBI100 | — |
| LA TRI-PAC | 75–400 | P3BLAP | P3LAPN400 | P3LAPG400 | P3LAPI400 | — |
| NB TRI-PAC | 500–800 | P3BNBP | P3NBPN800 | P3NBPG800 | P3BNBI800 | — |

- Refer to **Page V2-T6-22** for breaker data; for reference only
- The enclosure, circuit breaker, neutral and ground are ordered and shipped assembled
- Housing ground connection supplied as standard at no additional charge

Circuit Breaker Plug



Advanced Circuit Breaker Plug-Ins

| Digitrip | Ampere Rating | Plug-In Enclosure Catalog Number | 100% Neutral Catalog Number | 50% Internal Ground Catalog Number | 50% Isolated Ground Catalog Number |
|----------|---------------|----------------------------------|-----------------------------|------------------------------------|------------------------------------|
| L-Frame | 70–600 | P3BORPL | P3BORPLN600 | P3BORPLG600 | P3BORPLI600 |

Notes

① Enclosure not sold separately. Refer to **Page V2-T6-14** for assembled bus plug catalog number. See **Page V2-T6-14** for plug assembled style number configuration.

6.1

Low-Voltage Busway

Pow-R-Way III

Fusible Plug-In Units

Pow-R-Way III Plug-In Opening



Fusible Plug-In Units

| Ampere Rating | Three-Wire Plug 600 V Catalog Number ① | Three-Wire Plug 240 V Catalog Number ① | 100% Neutral Stab Catalog Number | 50% Internal Ground Stab Catalog Number | 50% Isolated Ground Stab Catalog Number | 200% Neutral Stab Catalog Number |
|------------------|--|--|----------------------------------|---|---|----------------------------------|
| 30 (Horizontal) | P3F361RGH | P3F321RGH | ② | ② | ② | ② |
| 30 (Vertical) | P3F361RGV | P3F321RGV | ② | ② | ② | ② |
| 60 (Horizontal) | P3F362RGH | P3F322RGH | ② | ② | ② | ② |
| 60 (Vertical) | P3F362RGV | P3F322RGV | ② | ② | ② | ② |
| 100 (Horizontal) | P3F363RGH | P3F323RGH | ② | ② | ② | ② |
| 100 (Vertical) | P3F363RGV | P3F323RGV | ② | ② | ② | ② |
| 200 (Horizontal) | P3F364RGH | P3F324RGH | ② | ② | ② | ② |
| 200 (Vertical) | P3F364RGV | P3F324RGV | ② | ② | ② | ② |
| 400 | P3F365R | P3F325R | P3FN400 | P3FG400 | P3FI400 | — |
| 600 | P3F366R | P3F326R | P3FN600 | P3FG800 | P3FI800 | — |
| 800 | P3F367T | P3F327T | P3FN800 | P3FG800 | P3FI800 | — |

- Fuses are not included
- Mechanical lugs are provided. Compression lugs are available for fusible plug-in units rated at 400 A and above. If compression lugs are required, the cable size must be specified

- Plug-in unit, neutral and ground are ordered and shipped assembled
- Note:** See **Page V2-T6-14** for plug assembled style number configuration.
- Housing ground connection supplied as standard at no additional charge
- R-Fuse clips are supplied as standard

- If J-Fuse clips are required, replace "R" in the catalog number with a "J" (30–600 A, 600 V only)
- 800 A, 600 V also available with L-Fuse clips; replace "T" in the catalog number with "L"

Pow-R-Way III Plug (Rear View)



Special Industry Fusible Plug-In Units

| Ampere Rating | Enclosure 600 V Catalog Number | 100% Neutral Stab Catalog Number | 50% Internal Ground Stab Catalog Number | 50% Isolated Ground Stab Catalog Number | Terminal Kit Compression Lugs | | |
|---------------|--------------------------------|----------------------------------|---|---|-------------------------------|--------------|----------------|
| | | | | | Number Per Phase | Wire Size | Catalog Number |
| 30 | P3F361H | ③ | ③ | ③ | 1 | 1-#12 to #10 | CTK30SC |
| 60 | P3F362H | ③ | ③ | ③ | 1 | 1-#8 | CTK60SC |
| 100 | P3F363H | ③ | ③ | ③ | 1 | 1-#4 | CTK100SC |
| 200 | P3F364H | ③ | ③ | ③ | 1 | 1-2/0 | CTK200BSC |
| 400 | P3F365H | ③ | ③ | ③ | 1 | 1-750 kcmil | CTK400SPW |
| 600 | P3F366H | ③ | ③ | ③ | 2 | 2-500 kcmil | CTK600DPM |

- Fuses are not included
- Housing ground connection supplied as standard at no additional charge

- Grounding compression lug included on 200 A and above. Lugs are ordered and shipped separately; fuses are not included

- H-Fuse clips are supplied as standard
- If J- or R-Fuse clips are required, order by description

Notes

- "H" and "V" do not denote mounting orientation of the bus plug. Horizontal (H) and Vertical (V) refer to the orientation of the bus system that the plug will be installed on.
- Neutral and ground kits are not capable of being field installed in these units. Order bus plugs with fully assembled part numbers. See Catalog Number Selection on **Page V2-T6-14** for details.
- Grounds and neutrals must be factory assembled. Order by description. See **Page V2-T6-22**.

Special Plug-In Units

Plug-In Cable Tap Box Units

| Ampere Rating | Plug-in Cable Tap Box 600 V Enclosure Catalog Number | 100% Neutral Stab Catalog Number | 50% Internal Ground Stab Catalog Number | 50% Isolated Ground Stab Catalog Number |
|---------------|--|----------------------------------|---|---|
| 200 | P3PTB200 | P3PTBN200 | P3PTBG200 | P3PTBI200 |
| 400 | P3PTB400 | P3PTBN400 | P3PTBG400 | P3PTBI400 |
| 600 | P3PTB600 | P3PTBN600 | P3PTBG600 | P3PTBI600 |
| 800 | P3PTB800 | P3PTBN800 | P3PTBG800 | P3PTBI800 |

- Mechanical lugs are provided. If compression lugs are required, the cable size must be specified

Plug-In Combination Starters and Contactors (Non-Reversing, Three-Pole)

| NEMA Size | Freedom Starter | | Freedom Contact | | Advantage Starter | | Advantage Contact | |
|-----------|-----------------|-----------------|-----------------|-----------------|-------------------|-----------------|-------------------|-----------------|
| | Fusible | Circuit Breaker | Fusible | Circuit Breaker | Fusible | Circuit Breaker | Fusible | Circuit Breaker |
| 0 | P3FSTR0F | P3BSTR0F | P3FC0N0F | P3BC0N0F | P3FSTR0A | P3BSTR0A | P3FC0N0A | P3BC0N0A |
| 1 | P3FSTR1F | P3BSTR1F | P3FC0N1F | P3BC0N1F | P3FSTR1A | P3BSTR1A | P3FC0N1A | P3BC0N1A |
| 2 | P3FSTR2F | P3BSTR2F | P3FC0N2F | P3BC0N2F | P3FSTR2A | P3BSTR2A | P3FC0N2A | P3BC0N2A |
| 3 | P3FSTR3F | P3BSTR3F | P3FC0N3F | P3BC0N3F | P3FSTR3A | P3BSTR3A | P3FC0N3A | P3BC0N3A |
| 4 | P3FSTR4F | P3BSTR4F | P3FC0N4F | P3BC0N4F | P3FSTR4A | P3BSTR4A | P3FC0N4A | P3BC0N4A |

6.1

Low-Voltage Busway

Pow-R-Way III

Bolt-On Units

Circuit Breaker Bolt-On Units

| Breaker Frame | Ampere Rating | Bolt-On Enclosure Catalog Number | 100% Neutral Stab Catalog Number | 50% Internal Ground Stab Catalog Number | 50% Isolated Ground Stab Catalog Number |
|------------------------|---------------|----------------------------------|----------------------------------|---|---|
| EHD, FDB, FD, HFD, FDC | 15–225 | P3BFDBO | P3FDNBO | P3FDGBO | P3FDIBO |
| JDB, JD, HJD, JDC | 70–250 | P3BJDBO | P3FDNBO | P3JDGBO | P3JDIBO |
| KDB, KD, HKD, KDC | 250–400 | P3BKDBO | P3KDNBO | P3KDGBO | P3KDIBO |
| LDB, LD, HLD, LDC | 300–600 | P3BLDBO | P3LDNBO | P3LDGBO | P3LDIBO |
| MDL, HMDL | 500–800 | P3BMDBO | P3MDNBO | P3MDGBO | P3MDIBO |
| ND, HND | 900–1200 | P3BNDBO | P3NDNBO | P3NDGBO | P3NDIBO |

- Factory assembled, refer to Eaton's busway for delivery
- Refer to **Page V2-T6-22** for breaker data, for reference only
- Bolt-on units **require a Power Take-off** at the rating of the busway
- Housing ground connection supplied as standard

Fusible Bolt-On Units

| Ampere Rating | Enclosure 600 V Catalog Number | 100% Neutral Stab Catalog Number | 50% Internal Ground Stab Catalog Number | 50% Isolated Ground Stab Catalog Number |
|---------------|--------------------------------|----------------------------------|---|---|
| 30 | P3F361BO | P3FN100BO | P3FG100BO | P3FI100BO |
| 60 | P3F362BO | P3FN100BO | P3FG100BO | P3FI100BO |
| 100 | P3F363BO | P3FN100BO | P3FG100BO | P3FI100BO |
| 200 | P3F364BO | P3FN250BO | P3FG250BO | P3FI250BO |
| 400 | P3F365BO | P3FN400BO | P3FG400BO | P3FI400BO |
| 600 | P3F366BO | P3FN600BO | P3FG600BO | P3FI600BO |
| 800 | P3F367BO | P3FN800BO | P3FG800BO | P3FI800BO |
| 1200 | P3F369BO | P3FN1200BO | P3FG1200BO | P3FI1200BO |

- Factory assembled; refer to Eaton's busway for delivery
- Bolt-on units **require a power take-off** at the rating of the busway
- If neutral and ground are required, order by description with bolt-on unit
- Housing ground connection supplied as standard

Ground Detector Neutralizer Plug (Three-Wire)

| Maximum Voltage | Catalog Number |
|-----------------|----------------|
| 600 | P3GND |

Technical Data and Specifications

Ratings

- A. The busway shall be Eaton's type Pow-R-Way III: [three-phase, three-wire] [three-phase, three-wire with 50% housing ground and/or 50% internal ground] [three-phase, three-wire with 50% housing ground and/or 50% isolated ground] [three-phase, four-wire with 100% neutral] [three-phase, four-wire with 100% neutral, 50% housing and/or 50% internal ground] [three-phase, four-wire with 100% neutral, 50% housing and/or 50% isolated ground] [three-phase, four-wire with 200% neutral] [three-phase, four-wire with 200% neutral, 50% housing ground, and/or 50% internal ground] [three-phase, four-wire with 200% neutral, 50% housing ground, and/or 50% isolated ground] with voltage and current ratings as indicated on the contract drawings.
- B. The busway shall have a minimum of 6-cycle short-circuit rating of 85 kA rms symmetrical for ratings through 800 A, 100 kA rms symmetrical for ratings through 1350 A, 125 kA rms symmetrical for ratings through 1600 A, 150 kA rms symmetrical for ratings through 2500 A, and 200 kA rms symmetrical for ratings through 5000 A.

Construction

- A. The busway and associated fittings shall consist of [aluminum] [copper] conductors totally enclosed in a two-piece extruded aluminum housing. Outdoor feeder, indoor feeder and indoor plug-in busway shall be interchangeable at the same rating without the use of adapters or special splice plates. Fittings—such as elbows, tees, flanges, etc.—shall be identical for use with both the plug-in and feeder types of busway. The busway shall be capable of being mounted flatwise, edgewise or vertically without derating. The busway shall consist of standard 10 ft (3 m) sections with special sections and fittings provided to suit the installation. Horizontal runs shall be suitable for hanging on 10 ft (3 m) maximum centers. Vertical runs shall be suitable for mounting on 16 ft (4 m) maximum centers. Provide one hanger for every 10 ft (3 m) of horizontally mounted duct. On vertical runs, provide one adjustable hanger per floor.

Bus

- A. Busbars shall be fabricated from high strength, [57% conductivity aluminum] [99% conductivity copper] and suitably plated at all electrical contact surfaces.
- B. Busbars shall be insulated over their entire length, except at joints and contact surfaces, with a UL-listed insulating material consisting of epoxy applied by fluidized bed process. Tape or heat-shrink sleeve insulation, or any other method of insulation that can allow air gaps or insulation breakdown, shall not be acceptable.
- C. The busway shall be capable of carrying rated current continuously without exceeding a temperature rise of 55 °C based on a 40 °C ambient.

Bus Joints

- A. Each busway section shall be furnished complete with joint hardware and covers. The busway joints shall be a single-bolt, non-rotating, removable bridge design. All bridge joints shall be furnished with torque-indicating double-head joint bolts and Belleville washers. The bridge joint shall utilize a captive nut retainer on the opposite side of the torque indicating bolt. The bridge joint design shall ensure proper installation without the use of a torque wrench, and provide visual indication that the joint is properly torqued. Each busway joint shall allow for a minimum length adjustment of ±0.5 inches (12.7 mm). De-energization of busway shall not be required for safe testing of joint tightness.

Housing

- A. The busway housing shall be a two-piece design fabricated from extruded aluminum. The two-piece housing shall be bolted together along the bottom flange. The busway enclosure finish shall be ANSI 61 gray baked epoxy powder paint applied by an electrostatic process.
- B. Outdoor feeder busway housing shall be identical to indoor feeder busway housings, and shall be UL listed for outdoor use.

Plug-In Busway

- A. Where required, busway shall be of the plug-in type. Plug-in busway shall be available in standard 2-, 4-, 6-, 8- and 10-foot lengths, with plug-in openings provided on both sides of the busway sections on 2 ft (0.6 m) centers. Plug-in covers shall prevent dirt and debris from entering contact plug-in openings in the busway. The design shall allow for 10 hinged cover outlets per 10 ft (3 m) of plug-in length. Covers for plug-in openings shall have a positive screw close feature and provisions for the installation of power company seals. The contact surfaces for bus plug stabs shall be silver-plated of the same material, thickness and rating as the stab bars. The stabs shall be welded to the busbars. A standard housing ground connection shall be supplied in each plug-in opening. Positive mechanical guides for plug-in units shall be provided at each plug-in opening to facilitate unit alignment and prevent improper installation.

6.1

Low-Voltage Busway

Pow-R-Way III

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B. Where required, plug-in units of the types and ratings indicated on the plans and specifications shall be supplied. Plug-in units shall be mechanically interlocked with the busway housing to prevent their installation or removal when the switch is in the ON position. The enclosure of any plug-in unit shall make positive ground connection to the duct housing before the stabs make contact with the busbars. All plug-in units shall be equipped with a defeatable interlock to prevent the cover from being opened while the switch is in the ON position and prevent accidental closing of the switch while the cover is open. The plugs shall be provided with a means for padlocking the cover closed and padlocking the disconnect device in the OFF position. The operating handle and mechanism shall remain in control of the disconnect device at all times, permitting its easy operation from the floor by means of a hookstick or chain. For safety reasons, no projections shall extend into the busway housing other than the plug-in stabs. All plug-in units shall be interchangeable without alteration or moderation of plug-in duct.

C. Fusible-type plugs shall have a quick-make/quick-break disconnect switch and positive pressure fuse clips.

—OR—

C. Circuit-breaker-type plugs shall have an interrupting rating of not less than symmetrical rms amperes or be series rated as otherwise shown in the contract document and shall meet all requirements of UL Standard 489. It shall be possible to increase the interrupting rating of a breaker plug-in device having ampere ratings through 400 A up to 100 kAIC at 480 Vac and 200 kAIC at 240 Vac by changing out the circuit breaker only and leaving the enclosure intact. All breaker plug-in devices shall be Eaton type Series C.

Surge Protective Device

A. Provide surge protective device as specified in Section 16671.

Short-Circuit Withstand Ratings—rms Symmetrical Amperes for Copper Pow-R-Way III Plug-In and Feeder Busway

| Ampere Rating | 6-Cycle Copper |
|---------------|----------------|
| 225 | 85,000 |
| 400 | 85,000 |
| 600 | 85,000 |
| 800 | 85,000 |
| 1000 | 100,000 |
| 1200 | 100,000 |
| 1350 | 100,000 |
| 1600 | 125,000 |
| 2000 | 150,000 |
| 2500 | 150,000 |
| 3200 | 200,000 |
| 4000 | 200,000 |
| 5000 | 200,000 |

Short-Circuit Withstand Ratings—rms Symmetrical Amperes for Aluminum Pow-R-Way III Plug-In and Feeder Busway

| Ampere Rating | 6-Cycle Aluminum |
|---------------|------------------|
| 225 | 85,000 |
| 400 | 85,000 |
| 600 | 85,000 |
| 800 | 100,000 |
| 1000 | 100,000 |
| 1200 | 125,000 |
| 1350 | 150,000 |
| 1600 | 150,000 |
| 2000 | 150,000 |
| 2500 | 200,000 |
| 3200 | 200,000 |
| 4000 | 200,000 |
| 5000 | — |

Pow-R-Way III Plug-In Busway

- 225–5000 A copper
- 225–4000 A aluminum

Straight sections of plug-in busway are made only in 24-inch (609.6 mm) incremental lengths with a maximum length of 10 ft (3 m). **Page V2-T6-25** depicts the configuration of plug-in busway and Pow-R-Bridge for the available ampere ratings. See table below for reference to the proper configuration. Available in indoor and sprinkler-proof ratings.

Configuration

| Ampere Rating | | | |
|---------------|------|---------|--------------------------------------|
| UL 857 | | IEC 439 | Configuration (see Page V2-T6-25) |
| Cu | Al | Cu | |
| 225 | 225 | 225 | A |
| 400 | 400 | 400 | A |
| 600 | 630 | 630 | A |
| 800 | 800 | 1000 | A |
| 1000 | 1000 | 1200 | A |
| 1200 | 1200 | 1400 | A |
| 1350 | 1350 | 1550 | A |
| 1600 | — | 1800 | A |
| 2000 | — | 2250 | A |
| — | 1600 | — | B |
| 2500 | 2000 | 3000 | B |
| 3200 | — | 3800 | C |
| 4000 | 2500 | 4500 | C |
| — | 3200 | — | D |
| 5000 | 4000 | 5800 | D |

IEC 60529 IP Ratings

| IEC 529 IP Rating | Busway Type |
|----------------------|--|
| IP2X | Pow-R-Way III plug-in busway; plug-in outlet protects against access to live parts |
| IP40 | Pow-R-Way III indoor plug-in and feeder busway |
| IP55 | Pow-R-Way III sprinkler-proof plug-in busway |
| IP66 | Pow-R-Way III outdoor feeder busway |

IEC 60529 Degrees of Protection

| IEC 529 IP Rating | Description |
|----------------------|--|
| IP40 | Protection against access to hazardous parts with a wire or solid foreign object 1 mm diameter. No protection against water. |
| IP55 | Protection against access to hazardous parts with a wire and dust shall not penetrate in quantity to interfere with satisfactory operation or impair safety. Protects against water jets. |
| IP66 | Protection against access to hazardous parts with a wire and dust shall not penetrate in quantity to interfere with satisfactory operation or impair safety. Protects against powerful water jets. |

Pow-R-Way III Feeder Busway

- 225–5000 A copper
- 225–4000 A aluminum

Straight sections of feeder busway can be supplied in any length, at 1/8-inch (3.2 mm) increments, from a 16-inch (406.4 mm) minimum to a 10 ft (3 m) maximum.

Page V2-T6-25 illustrates the configuration of feeder busway and Pow-R-Bridge for the available ampere ratings. See table below for reference to the proper configuration.

Feeder Busway Configuration

| Ampere Rating | | | |
|---------------|------|---------|--------------------------------------|
| UL 857 | | IEC 439 | Configuration (see Page V2-T6-25) |
| Cu | Al | Cu | |
| 225 | 225 | 225 | A |
| 400 | 400 | 400 | A |
| 600 | 600 | 630 | A |
| 800 | 800 | 1000 | A |
| 1000 | 1000 | 1200 | A |
| 1200 | 1200 | 1400 | A |
| 1350 | 1350 | 1550 | A |
| 1600 | — | 1800 | A |
| 2000 | — | 2250 | A |
| — | 1600 | — | B |
| 2500 | 2000 | 3000 | B |
| 3200 | — | 3800 | C |
| 4000 | 2500 | 4500 | C |
| — | 3200 | — | D |
| 5000 | 4000 | 5800 | D |

Each section will include one factory-installed Pow-R-Bridge mounted to the left end of the busway (with the “T” to the top, when viewing the bus from the “F” side). Each Pow-R-Bridge will have a “T” label, which must always match the “T” orientation of the busway. Available in indoor, sprinkler-proof and outdoor ratings. See IEC 60529 IP Ratings table to the left for details.

6.1

Low-Voltage Busway

Pow-R-Way III

Circuit Breaker Plug-In Units

Circuit Breakers

100% rated breakers are not available for use in bus plugs. Contact product line for guidance.

| Ampere Rating | Interrupting Rating (kA Symmetrical) | | | Breaker Type |
|---------------|--------------------------------------|---------|---------|--------------|
| | 240 Vac | 480 Vac | 600 Vac | |
| 15-60 | 18 | 14 | — | EHD |
| 70-100 | 18 | 14 | — | EHD |
| 15-60 | 18 | 14 | 14 | FDB |
| 70-100 | 18 | 14 | 14 | FDB |
| 110-150 | 18 | 14 | 14 | FDB |
| 15-60 | 65 | 35 | 18 | FD |
| 70-100 | 65 | 35 | 18 | FD |
| 110-150 | 65 | 35 | 18 | FD |
| 175-225 | 65 | 35 | 18 | FD |
| 15-60 | 100 | 65 | 25 | HFD |
| 70-100 | 100 | 65 | 25 | HFD |
| 110-150 | 100 | 65 | 25 | HFD |
| 175-225 | 100 | 65 | 25 | HFD |
| 15-60 | 200 | 100 | 35 | FDC |
| 70-100 | 200 | 100 | 35 | FDC |
| 110-225 | 200 | 100 | 35 | FDC |
| 15-100 | 200 | 150 | — | FCL |
| 100-225 | 65 | — | — | ED |
| 100-225 | 100 | — | — | EDH |
| 100-225 | 200 | — | — | EDC |
| 70-225 | 65 | 35 | 18 | JD, JDB |
| 250 | 65 | 35 | 18 | JD, JDB |
| 70-225 | 100 | 65 | 25 | HJD |
| 250 | 100 | 65 | 25 | HJD |
| 70-225 | 200 | 100 | 35 | JDC |
| 250 | 200 | 100 | 35 | JDC |
| 125-250 | 200 | 200 | 100 | LCL |
| 250-400 | 65 | — | — | DK |
| 100-400 | 65 | 35 | 25 | KD, KDB |
| 100-400 | 100 | 65 | 35 | HKD |
| 100-400 | 200 | 100 | 65 | KDC |
| 200-400 | 200 | 200 | — | LCL |
| 300-600 | 65 | 35 | 25 | LD, LDB |
| 300-600 | 100 | 65 | 35 | HLD |
| 300-600 | 200 | 100 | 50 | LDC |
| 400-800 | 65 | 50 | 25 | MDL |
| 400-800 | 100 | 65 | 35 | HMDL |
| 400-800 | 65 | 50 | 25 | ND |
| 400-800 | 100 | 65 | 35 | HND |
| 400-800 | 200 | 100 | 50 | NDC |
| 600-1200 | 65 | 50 | 25 | ND |
| 600-1200 | 100 | 65 | 35 | HND |
| 600-1200 | 200 | 100 | 50 | NDC |

Branch Devices Earth Leakage Ground Fault Circuit Breakers

(Adjustable pickup from 30 mA to 30 A)

| Ampere Rating | kAIC (Symmetrical) 480 Vac | Breaker Type |
|---------------|----------------------------|--------------|
| 35-60 | 25 | ELFD |
| 70-100 | 25 | ELFD |
| 110-150 | 25 | ELFD |
| 35-60 | 65 | ELHFD |
| 70-100 | 65 | ELHFD |
| 110-150 | 65 | ELHFD |
| 35-60 | 100 | ELFDC |
| 70-100 | 100 | ELFDC |
| 110-150 | 100 | ELFDC |
| 100-250 | 35 | ELJD |
| 100-250 | 65 | ELHJD |
| 100-250 | 100 | ELJDC |
| 200-400 | 35 | ELKD |
| 200-400 | 65 | ELHKD |
| 200-400 | 100 | ELKDC |

Integrally Fused, Current-Limiting Circuit Breaker

| Ampere Rating | Interrupting Rating (kA Symmetrical) | | | Breaker Type |
|---------------|--------------------------------------|---------|---------|--------------|
| | 240 Vac | 480 Vac | 600 Vac | |
| 15-100 | 200 | 200 | 200 | FB-P |
| 125-225 | 200 | 200 | 200 | LA-P |
| 250-400 | 200 | 200 | 200 | LA-P |
| 400-600 | 200 | 200 | 200 | NB-P |
| 700-800 | 200 | 200 | 200 | NB-P |

Fusible Switch Horsepower Ratings

| Ampere Rating | 240 V | | 480 V | | 600 V | |
|---------------|----------|------|----------|------|----------|------|
| | NEC Std. | Max. | NEC Std. | Max. | NEC Std. | Max. |
| 30 | 3 | 7.5 | 5 | 15 | 7.5 | 20 |
| 60 | 7.5 | 15 | 15 | 30 | 15 | 50 |
| 100 | 15 | 30 | 25 | 60 | 30 | 75 |
| 200 | 25 | 60 | 50 | 125 | 60 | 150 |
| 400 | 50 | 125 | 100 | 250 | 125 | 350 |
| 600 | 75 | 200 | 150 | 400 | 200 | 500 |
| 800 | 100 | 250 | 200 | 500 | 250 | 500 |

Dimensions

Approximate Dimensions in Inches (mm)

Busbar and Housing

Three-Wire with No Neutral

| Ampere Rating | Phase Bar Size | | Bar Per Phase | Wire Designation and Housing Size | | | 50% Internal Ground Bus 3WHG | | 50% Internal Isolated Ground 3WI | | Figure ① |
|---------------|----------------|------------|---------------|-----------------------------------|---------------|---------------------------------|------------------------------|--------------|----------------------------------|--------------|----------|
| | Cu | Al | | Depth | Width | 50% Integral Housing Ground 3WH | Width | Height | Width | Height | |
| 225 | 225 | 0.25 (6.4) | 1.62 (41.1) | 1 | 4.75 (120.7) | 4.38 (111.3) | 4.75 (120.7) | 4.50 (114.3) | 4.75 (120.7) | 4.55 (115.6) | A |
| 400 | 400 | 0.25 (6.4) | 1.62 (41.1) | 1 | 4.75 (120.7) | 4.38 (111.3) | 4.75 (120.7) | 4.50 (114.3) | 4.75 (120.7) | 4.55 (115.6) | A |
| 600 | — | 0.25 (6.4) | 1.62 (41.1) | 1 | 4.75 (120.7) | 4.38 (111.3) | 4.75 (120.7) | 4.50 (114.3) | 4.75 (120.7) | 4.55 (115.6) | A |
| 800 | 600 | 0.25 (6.4) | 1.62 (41.1) | 1 | 4.75 (120.7) | 4.38 (111.3) | 4.75 (120.7) | 4.50 (114.3) | 4.75 (120.7) | 4.55 (115.6) | A |
| 1000 | — | 0.25 (6.4) | 2.25 (57.2) | 1 | 5.38 (136.7) | 4.38 (111.3) | 5.38 (136.7) | 4.50 (114.3) | 5.38 (136.7) | 4.55 (115.6) | A |
| 1200 | 800 | 0.25 (6.4) | 2.75 (70.0) | 1 | 5.88 (149.4) | 4.38 (111.3) | 5.88 (149.4) | 4.50 (114.3) | 5.88 (149.4) | 4.55 (115.6) | A |
| 1350 | 1000 | 0.25 (6.4) | 3.25 (82.3) | 1 | 6.38 (162.1) | 4.38 (111.3) | 6.38 (162.1) | 4.50 (114.3) | 6.38 (162.1) | 4.55 (115.6) | A |
| 1600 | 1200 | 0.25 (6.4) | 4.25 (108.0) | 1 | 7.38 (187.5) | 4.38 (111.3) | 7.38 (187.5) | 4.50 (114.3) | 7.38 (187.5) | 4.55 (115.6) | A |
| 2000 | 1350 | 0.25 (6.4) | 5.50 (139.7) | 1 | 8.64 (219.5) | 4.38 (111.3) | 8.64 (219.5) | 4.50 (114.3) | 8.64 (219.5) | 4.55 (115.6) | A |
| — | 1600 | 0.25 (6.4) | 6.25 (158.8) | 1 | 9.40 (238.8) | 4.38 (111.3) | 9.40 (238.8) | 4.50 (114.3) | 9.40 (238.8) | 4.55 (115.6) | A |
| 2500 | 2000 | 0.25 (6.4) | 8.00 (203.2) | 1 | 11.17 (283.7) | 4.38 (111.3) | 11.17 (283.7) | 4.50 (114.3) | 11.17 (283.7) | 4.55 (115.6) | A |
| 3200 | — | 0.25 (6.4) | 4.25 (108.0) | 2 | 16.14 (410.0) | 4.38 (111.3) | 16.14 (410.0) | 4.50 (114.3) | 16.14 (410.0) | 4.55 (115.6) | B |
| 4000 | 2500 | 0.25 (6.4) | 5.50 (139.7) | 2 | 18.64 (473.5) | 4.38 (111.3) | 18.64 (473.5) | 4.50 (114.3) | 18.64 (473.5) | 4.55 (115.6) | B |
| — | 3200 | 0.25 (6.4) | 6.25 (158.8) | 2 | 20.16 (512.0) | 4.38 (111.3) | 20.16 (512.0) | 4.50 (114.3) | 20.16 (512.0) | 4.55 (115.6) | B |
| 5000 | 4000 | 0.25 (6.4) | 8.00 (203.2) | 2 | 23.70 (602.0) | 4.38 (111.3) | 23.70 (602.0) | 4.50 (114.3) | 23.70 (602.0) | 4.55 (115.6) | B |

Four-Wire with 100% Neutral

| Ampere Rating | Phase and Neutral Bar Size | | Bar Per Phase | Wire Designation and Housing Size | | | 50% Internal Ground 4WHG | | 50% Internal Isolated Ground 4WI | | Figure ① |
|---------------|----------------------------|------------|---------------|-----------------------------------|---------------|---------------------------------|--------------------------|--------------|----------------------------------|--------------|----------|
| | Cu | Al | | Depth | Width | 50% Integral Housing Ground 4WH | Width | Height | Width | Height | |
| 225 | 225 | 0.25 (6.4) | 1.62 (41.1) | 1 | 4.75 (120.7) | 4.38 (111.3) | 4.75 (120.7) | 4.50 (114.3) | 4.75 (120.7) | 4.55 (115.6) | A |
| 400 | 400 | 0.25 (6.4) | 1.62 (41.1) | 1 | 4.75 (120.7) | 4.38 (111.3) | 4.75 (120.7) | 4.50 (114.3) | 4.75 (120.7) | 4.55 (115.6) | A |
| 600 | — | 0.25 (6.4) | 1.62 (41.1) | 1 | 4.75 (120.7) | 4.38 (111.3) | 4.75 (120.7) | 4.50 (114.3) | 4.75 (120.7) | 4.55 (115.6) | A |
| 800 | 600 | 0.25 (6.4) | 1.62 (41.1) | 1 | 4.75 (120.7) | 4.38 (111.3) | 4.75 (120.7) | 4.50 (114.3) | 4.75 (120.7) | 4.55 (115.6) | A |
| 1000 | — | 0.25 (6.4) | 2.25 (57.2) | 1 | 5.38 (136.7) | 4.38 (111.3) | 5.38 (136.7) | 4.50 (114.3) | 5.38 (136.7) | 4.55 (115.6) | A |
| 1200 | 800 | 0.25 (6.4) | 2.75 (70.0) | 1 | 5.88 (149.4) | 4.38 (111.3) | 5.88 (149.4) | 4.50 (114.3) | 5.88 (149.4) | 4.55 (115.6) | A |
| 1350 | 1000 | 0.25 (6.4) | 3.25 (82.3) | 1 | 6.38 (162.1) | 4.38 (111.3) | 6.38 (162.1) | 4.50 (114.3) | 6.38 (162.1) | 4.55 (115.6) | A |
| 1600 | 1200 | 0.25 (6.4) | 4.25 (108.0) | 1 | 7.38 (187.5) | 4.38 (111.3) | 7.38 (187.5) | 4.50 (114.3) | 7.38 (187.5) | 4.55 (115.6) | A |
| 2000 | 1350 | 0.25 (6.4) | 5.50 (139.7) | 1 | 8.64 (219.5) | 4.38 (111.3) | 8.64 (219.5) | 4.50 (114.3) | 8.64 (219.5) | 4.55 (115.6) | A |
| — | 1600 | 0.25 (6.4) | 6.25 (158.8) | 1 | 9.40 (238.8) | 4.38 (111.3) | 9.40 (238.8) | 4.50 (114.3) | 9.40 (238.8) | 4.55 (115.6) | A |
| 2500 | 2000 | 0.25 (6.4) | 8.00 (203.2) | 1 | 11.17 (283.7) | 4.38 (111.3) | 11.17 (283.7) | 4.50 (114.3) | 11.17 (283.7) | 4.55 (115.6) | A |
| 3200 | — | 0.25 (6.4) | 4.25 (108.0) | 2 | 16.14 (410.0) | 4.38 (111.3) | 16.14 (410.0) | 4.50 (114.3) | 16.14 (410.0) | 4.55 (115.6) | B |
| 4000 | 2500 | 0.25 (6.4) | 5.50 (139.7) | 2 | 18.64 (473.5) | 4.38 (111.3) | 18.64 (473.5) | 4.50 (114.3) | 18.64 (473.5) | 4.55 (115.6) | B |
| — | 3200 | 0.25 (6.4) | 6.25 (158.8) | 2 | 20.16 (512.0) | 4.38 (111.3) | 20.16 (512.0) | 4.50 (114.3) | 20.16 (512.0) | 4.55 (115.6) | B |
| 5000 | 4000 | 0.25 (6.4) | 8.00 (203.2) | 2 | 23.70 (602.0) | 4.38 (111.3) | 23.70 (602.0) | 4.50 (114.3) | 23.70 (602.0) | 4.55 (115.6) | B |

Note

① Refer to drawing on **Page V2-T6-24**.

6.1

Low-Voltage Busway

Pow-R-Way III

Approximate Dimensions in Inches (mm)

Four-Wire with 200% Neutral

| Ampere Rating | | Phase Bar Size Neutral Bar is 0.5 (12.7) x Width Shown | | Bar Per Phase | Wire Designation and Housing Size | | | | | | Figure |
|---------------|------|--|--------------|---------------------|-----------------------------------|------------------------------|-----------------------------------|--------------|---------------|--------------|--------|
| Cu | Al | Depth | Width | | 50% Integral Housing Ground 4WNH | 50% Internal Ground Bus 4WNG | 50% Internal Isolated Ground 4WNI | Width | Height | Width | |
| 225 | 225 | 0.25 (6.4) | 1.62 (41.1) | 1 | 4.75 (120.7) | 4.92 (125.0) | 4.75 (120.7) | 5.05 (128.3) | 4.75 (120.7) | 5.10 (129.5) | A |
| 400 | 400 | 0.25 (6.4) | 1.62 (41.1) | 1 | 4.75 (120.7) | 4.92 (125.0) | 4.75 (120.7) | 5.05 (128.3) | 4.75 (120.7) | 5.10 (129.5) | A |
| 600 | — | 0.25 (6.4) | 1.62 (41.1) | 1 | 4.75 (120.7) | 4.92 (125.0) | 4.75 (120.7) | 5.05 (128.3) | 4.75 (120.7) | 5.10 (129.5) | A |
| 800 | 600 | 0.25 (6.4) | 1.62 (41.1) | 1 | 4.75 (120.7) | 4.92 (125.0) | 4.75 (120.7) | 5.05 (128.3) | 4.75 (120.7) | 5.10 (129.5) | A |
| 1000 | — | 0.25 (6.4) | 2.25 (57.2) | 1 | 5.38 (136.7) | 4.92 (125.0) | 5.38 (136.7) | 5.05 (128.3) | 5.38 (136.7) | 5.10 (129.5) | A |
| 1200 | 800 | 0.25 (6.4) | 2.75 (70.0) | 1 | 5.88 (149.4) | 4.92 (125.0) | 5.88 (149.4) | 5.05 (128.3) | 5.88 (149.4) | 5.10 (129.5) | A |
| 1350 | 1000 | 0.25 (6.4) | 3.25 (82.3) | 1 | 6.38 (162.1) | 4.92 (125.0) | 6.38 (162.1) | 5.05 (128.3) | 6.38 (162.1) | 5.10 (129.5) | A |
| 1600 | 1200 | 0.25 (6.4) | 4.25 (108.0) | 1 | 7.38 (187.5) | 4.92 (125.0) | 7.38 (187.5) | 5.05 (128.3) | 7.38 (187.5) | 5.10 (129.5) | A |
| 2000 | 1350 | 0.25 (6.4) | 5.50 (139.7) | 1 | 8.64 (219.5) | 4.92 (125.0) | 8.64 (219.5) | 5.05 (128.3) | 8.64 (219.5) | 5.10 (129.5) | A |
| — | 1600 | 0.25 (6.4) | 6.25 (158.8) | 1 | 9.40 (238.8) | 4.92 (125.0) | 9.40 (238.8) | 5.05 (128.3) | 9.40 (238.8) | 5.10 (129.5) | A |
| 2500 | 2000 | 0.25 (6.4) | 8.00 (203.2) | 1 | 11.17 (283.7) | 4.92 (125.0) | 11.17 (283.7) | 5.05 (128.3) | 11.17 (283.7) | 5.10 (129.5) | A |
| 3200 | — | 0.25 (6.4) | 4.25 (108.0) | 2 | 16.14 (410.0) | 4.92 (125.0) | 16.14 (410.0) | 5.05 (128.3) | 16.14 (410.0) | 5.10 (129.5) | B |
| 4000 | 2500 | 0.25 (6.4) | 5.50 (139.7) | 2 | 18.64 (473.5) | 4.92 (125.0) | 18.64 (473.5) | 5.05 (128.3) | 18.64 (473.5) | 5.10 (129.5) | B |
| — | 3200 | 0.25 (6.4) | 6.25 (158.8) | 2 | 20.16 (512.0) | 4.92 (125.0) | 20.16 (512.0) | 5.05 (128.3) | 20.16 (512.0) | 5.10 (129.5) | B |
| 5000 | 4000 | 0.25 (6.4) | 8.00 (203.2) | 2 | 23.70 (602.0) | 4.92 (125.0) | 23.70 (602.0) | 5.05 (128.3) | 23.70 (602.0) | 5.10 (129.5) | B |

Single and Double Module Cross-Sections

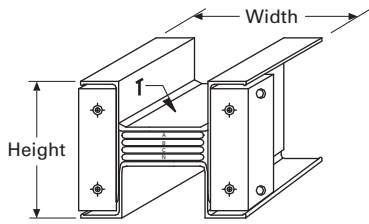


Figure A

225–2000 A Aluminum
225–2500 A Copper

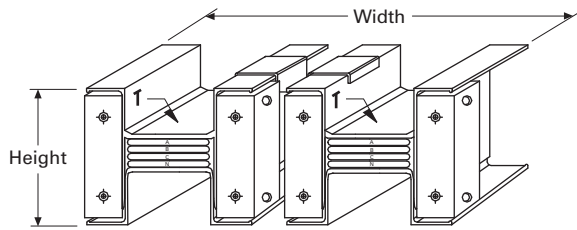
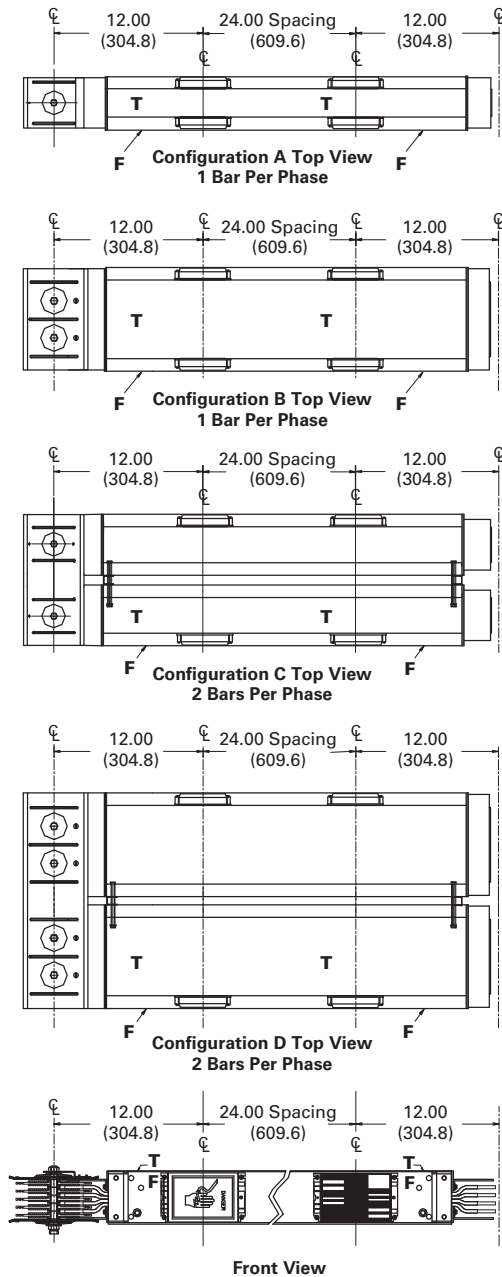


Figure B

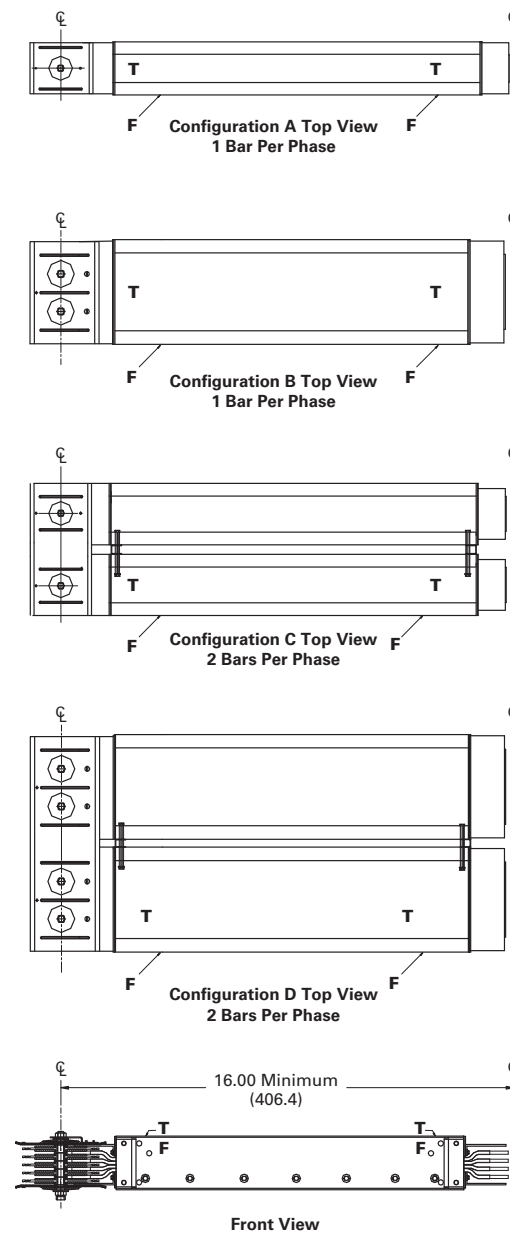
2500–4000 A Aluminum
3200–5000 A Copper

Approximate Dimensions in Inches (mm)

Plug-In Busway



Feeder Busway



The table below illustrates the quantity of plug-in openings per side that are available per standard section.

Number of Plug-In Openings

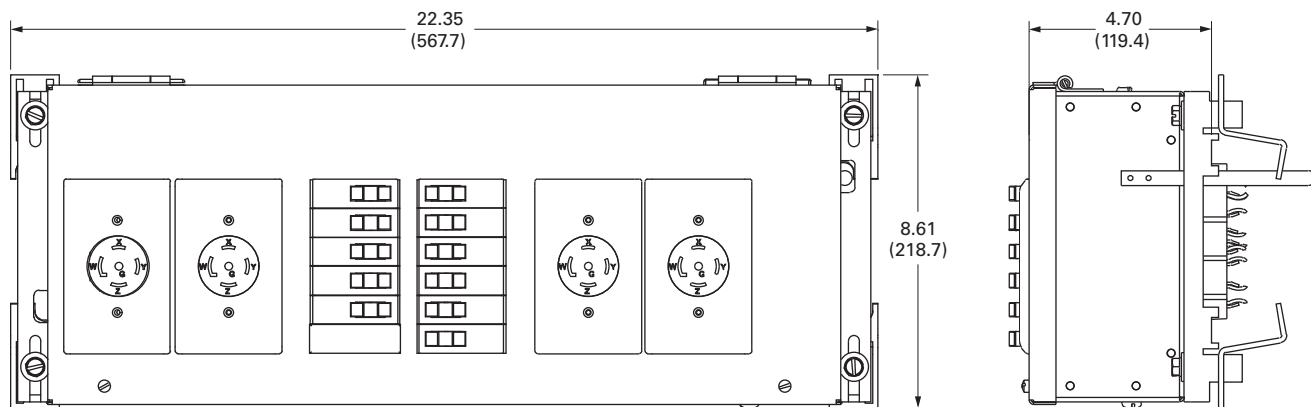
| Duct Length | Number of Plug-In Openings | |
|-----------------|----------------------------|------|
| | Front | Back |
| 24.00 (609.6) | 1 | 1 |
| 48.00 (1219.2) | 2 | 2 |
| 72.00 (1828.8) | 3 | 3 |
| 96.00 (2438.4) | 4 | 4 |
| 120.00 (3048.0) | 5 | 5 |

6.1 Low-Voltage Busway

Pow-R-Way III

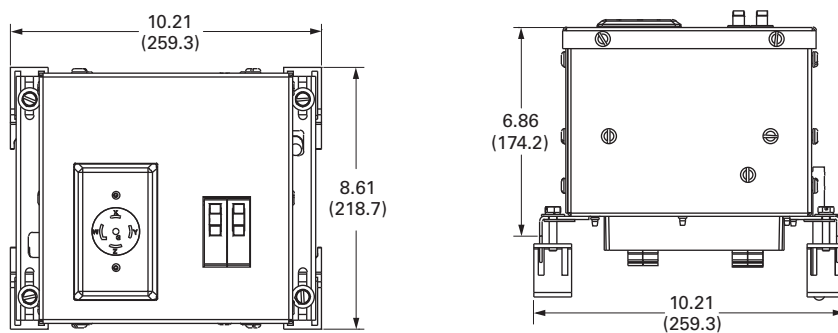
Approximate Dimensions in Inches (mm)

Quad Receptacle Unit



6

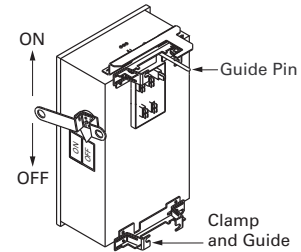
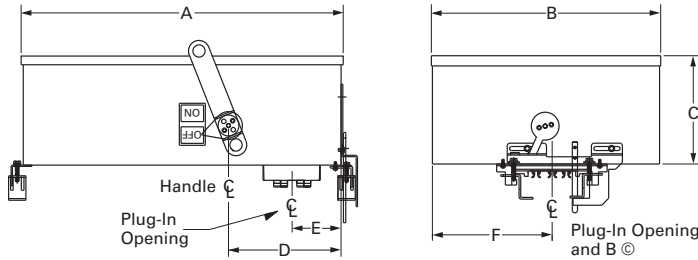
Single Receptacle Unit



Approximate Dimensions in Inches (mm)

Plug-In Units—Physical Data

Bus Plugs



Plug-In Units

| Plug-In Unit | Max. Amperes | Max. Vac | Dimensions | | | | | | Mechanical Terminal Wire Range Per Phase (mm ²) | Approx. Weights Lb (kg) |
|--------------------------------------|--------------|----------|----------------|---------------|---------------|--------------|---------------|---------------|--|-------------------------|
| | | | A | B | C | D | E | F | | |
| Circuit Breaker Plug-In Units | | | | | | | | | | |
| P3BFD (E- & F-Frame) | 225 | 600 | 21.20 (538.5) | 12.36 (314.0) | 5.43 (138.0) | 4.00 (101.6) | 6.25 (158.8) | 6.06 (153.7) | 100 A-(1) #14-1/0 (2.5-50) 150 A-(1) #4-4/0 (25-95) | 25 (11.3) |
| P3BJD (J-Frame) | 250 | 600 | 23.26 (590.8) | 12.36 (314.0) | 6.97 (177.0) | 4.00 (101.6) | 10.44 (265.2) | 6.06 (153.7) | 250 A-(1) #14-350 kcmil (25-185) 225 A-(1) 3-350 kcmil (35-185) | 47 (21.3) |
| P3BKD (K-Frame) | 400 | 600 | 34.41 (874.0) | 13.29 (337.6) | 7.79 (197.9) | 4.00 (101.6) | 12.56 (319.0) | 6.64 (168.7) | 350 A-(1) 250-500 kcmil (120-240) 400 A-(2) 3/0-250 kcmil (45-120) | 53 (24.0) |
| P3BLD (L-Frame) | 600 | 600 | 41.91 (1064.5) | 19.65 (499.1) | 10.15 (257.8) | 4.00 (101.6) | 17.38 (441.5) | 9.83 (249.7) | 400 A-(2) 4/0-600 kcmil (120-300) 600 A-(2) 400-500 kcmil (185-240) | 75 (34.0) |
| P3BMDL (MDL-Frame) | 800 | 600 | 45.89 (1165.6) | 19.65 (499.1) | 10.15 (257.8) | 4.00 (101.6) | 17.38 (441.5) | 9.83 (249.7) | 600 A-(2) #1-500 kcmil (50-240) 800 A-(2) 500-750 kcmil (300-400) | 136 (61.7) |
| P3BND (N-Frame) | 800 | 600 | 45.98 (1167.9) | 19.65 (499.1) | 10.15 (257.8) | 4.00 (101.6) | 17.38 (441.5) | 9.83 (249.7) | 700 A-(2) #1-500 kcmil (50-240) 800 A-(3) 3/0-400 kcmil (95-185) | 138 (62.6) |
| P3BLAP (TRI-PAC) | 400 | 600 | 45.89 (1165.6) | 19.65 (499.1) | 10.15 (257.8) | 4.00 (101.6) | 13.80 (350.5) | 9.83 (249.7) | 225 A-(1) #6-350 kcmil (16-185) 400 A-(1) #4-250 kcmil and (1) 3/0-600 kcmil (25-120 and 95-300) | 96 (43.5) |
| P3BLCL | 400 | 600 | 41.86 (1063.2) | 19.65 (499.1) | 10.15 (257.8) | 4.00 (101.6) | 13.80 (350.5) | 9.83 (249.7) | (1) #4-250 kcmil (25-120) and (1) 3/0-600 kcmil (95-300) | 88 (39.9) |
| Fusible Plug-In Units | | | | | | | | | | |
| P3F321RGH | 30 | 240 | 14.72 (373.9) | 13.92 (353.7) | 8.46 (214.8) | 3.85 (97.7) | 7.95 (202.0) | 5.66 (143.7) | Cu (1) #14-#3 (2.5-35) | 32 (14.5) |
| P3F321RGV | 30 | 240 | 15.85 (402.5) | 14.03 (356.3) | 8.46 (214.8) | 3.85 (97.7) | 6.72 (170.6) | 5.66 (143.7) | Al (1) #12-#2 (3.2-35) | 32 (14.5) |
| P3F361RGH | 30 | 600 | 14.72 (373.9) | 13.92 (353.7) | 8.46 (214.8) | 3.85 (97.7) | 7.95 (202.0) | 5.66 (143.7) | Cu (1) #14-#3 (2.5-35) | 32 (14.5) |
| P3F361RGV | 30 | 600 | 15.85 (402.5) | 14.03 (356.3) | 8.46 (214.8) | 3.85 (97.7) | 6.72 (170.6) | 5.66 (143.7) | Al (1) #12-#2 (3.2-35) | 32 (14.5) |
| P3F322RGH | 60 | 240 | 14.88 (377.9) | 17.92 (455.3) | 8.37 (212.5) | 3.85 (97.7) | 11.95 (303.6) | 5.66 (143.7) | Cu (1) #14-#3 (2.5-35) | 40 (18.1) |
| P3F322RGV | 60 | 240 | 19.85 (504.1) | 14.16 (359.6) | 8.37 (212.5) | 3.85 (97.7) | 6.84 (173.8) | 5.66 (143.7) | Al (1) #12-#2 (3.2-35) | 40 (18.1) |
| P3F362RGH | 60 | 600 | 14.88 (377.9) | 17.92 (455.3) | 8.37 (212.5) | 3.85 (97.7) | 11.95 (303.6) | 5.66 (143.7) | Cu (1) #14-1/0 (2.5-50) | 40 (18.1) |
| P3F362RGV | 60 | 600 | 19.85 (504.1) | 14.16 (359.6) | 8.37 (212.5) | 3.85 (97.7) | 6.84 (173.8) | 5.66 (143.7) | Al (1) #12-1/0 (3.2-50) | 40 (18.1) |
| P3F323RGH | 100 | 240 | 14.88 (377.9) | 17.92 (455.3) | 8.37 (212.5) | 3.85 (97.7) | 11.95 (303.6) | 5.66 (143.7) | Cu (1) #14-1/0 (2.5-50) | 40 (18.1) |
| P3F323RGV | 100 | 240 | 19.85 (504.1) | 14.16 (359.6) | 8.37 (212.5) | 3.85 (97.7) | 6.84 (173.8) | 5.66 (143.7) | Al (1) #12-1/0 (3.2-50) | 40 (18.1) |
| P3F363RGH | 100 | 600 | 14.88 (377.9) | 17.92 (455.3) | 8.37 (212.5) | 3.85 (97.7) | 11.95 (303.6) | 5.66 (143.7) | Cu (1) #4-250 kcmil (25-120) | 40 (18.1) |
| P3F363RGV | 100 | 600 | 19.85 (504.1) | 14.16 (359.6) | 8.37 (212.5) | 3.85 (97.7) | 6.84 (173.8) | 5.66 (143.7) | Al (1) #4-250 kcmil (25-120) | 40 (18.1) |
| P3F324RGH | 200 | 240 | 17.42 (442.5) | 21.98 (558.3) | 8.52 (216.3) | 3.85 (97.7) | 15.44 (392.1) | 6.80 (172.8) | Cu (1) #4-250 kcmil (25-120) | 56 (25.4) |
| P3F324RGV | 200 | 240 | 23.80 (604.5) | 16.64 (422.8) | 8.52 (216.3) | 3.85 (97.7) | 8.26 (209.8) | 6.80 (172.8) | Al (1) #4-250 kcmil (25-120) | 56 (25.4) |
| P3F364RGH | 200 | 600 | 17.42 (442.5) | 21.98 (558.3) | 8.52 (216.3) | 3.85 (97.7) | 15.44 (392.1) | 6.80 (172.8) | Cu (1) #4-600 kcmil (25-300) | 56 (25.4) |
| P3F364RGV | 200 | 600 | 23.80 (604.5) | 16.64 (422.8) | 8.52 (216.3) | 3.85 (97.7) | 8.26 (209.8) | 6.80 (172.8) | Al (1) #4-600 kcmil (25-300) | 56 (25.4) |
| P3F325R | 400 | 240 | 48.85 (1242.1) | 21.22 (539.0) | 10.07 (255.8) | 4.00 (101.6) | 10.69 (271.5) | 10.69 (271.5) | Cu/Al (1) 250-750 kcmil (127-380) | 77 (34.9) |
| P3F365R | 400 | 600 | 48.85 (1242.1) | 21.22 (539.0) | 10.07 (255.8) | 4.00 (101.6) | 10.69 (271.5) | 10.69 (271.5) | Cu/Al (1) 250-750 kcmil (127-380) | 77 (34.9) |
| P3F365HR | 400 | 600 | 23.59 (599.2) | 21.22 (539.0) | 21.00 (533.4) | 4.00 (101.6) | 10.69 (271.5) | 10.69 (271.5) | Cu/Al (2) 3/0-250 kcmil (85-127) | 81 (36.7) |
| P3F326R | 600 | 240 | 48.90 (1242.1) | 26.31 (668.3) | 10.59 (270.0) | 4.00 (101.6) | 13.16 (334.3) | 13.16 (334.3) | Cu/Al (2) #2-600 kcmil (35-300) | 82 (37.1) |
| P3F366R | 600 | 600 | 48.90 (1242.1) | 26.31 (668.3) | 10.59 (270.0) | 4.00 (101.6) | 13.16 (334.3) | 13.16 (334.3) | Cu/Al (3) #2-600 kcmil (25-300) | 82 (37.1) |
| P3F327R | 800 | 240 | 48.90 (1242.1) | 26.31 (668.3) | 10.59 (270.0) | 4.00 (101.6) | 13.16 (334.3) | 13.16 (334.3) | Cu/Al (3) #2-600 kcmil (25-300) | 108 (49.0) |
| P3F367R | 800 | 600 | 48.90 (1242.1) | 26.31 (668.3) | 10.59 (270.0) | 4.00 (101.6) | 13.16 (334.3) | 13.16 (334.3) | Cu/Al (3) #2-600 kcmil (25-300) | 108 (49.0) |