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Low-voltage busway—Pow-R-Trak

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Overview

Pow-R-Trak Low-Ampere Busway

Eaton's Pow-R-Trak continuous plug-in low-ampere busway is the most recent addition to a family of innovative busway products. The Pow-R-Trak continuous plug-in busway is the solution when maximum flexibility is required for distributing power throughout facilities. With the ability to install plug-in devices at any point, the electrical system delivers power anywhere it is needed. The Pow-R-Trak continuous plug-in busway is practical for data centers, commercial applications, school and private laboratories, and will reduce installation time and costs.

Pow-R-Trak continuous plug-in busway delivers up to 225 A of power, with voltage ratings up to 600 V. The design consists of an extruded, all-aluminum housing with tin-plated copper conductors. The Pow-R-Trak continuous plug-in busway comes with a full line of complementary fittings and accessories.

Busway components can be used interchangeably without adapters or special splice plates. The Pow-R-Trak continuous plug-in busway comes in two color options: ANSI 61 gray or black.

Standards

The Pow-R-Trak continuous plug-in low-ampere busway meets the requirements of NEMA®, ANSI, UL® 857 and CSA®-C22.2-No. 27-09 and is manufactured in an ISO® 9001-certified facility. The busway, fittings and accessories are designed to withstand the short-circuit ratings listed for each ampere rating.

The Pow-R-Trak continuous plug-in low-ampere busway is a three-phase design available in three-wire and four-wire configurations with an integral housing ground and an optional internal ground. Oversized neutral ratings are also available. See **Table 24.3-12**.

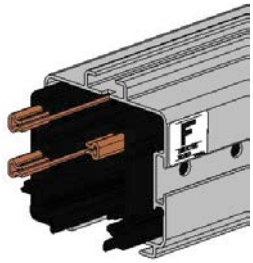
Construction Details

Pow-R-Trak bus bars are fabricated from high-strength 98% conductivity copper. Neutral bars are available with 100% and 200% capacity options. The phase, neutral and ground conductors are tin-plated along the entire length through a flashing process.

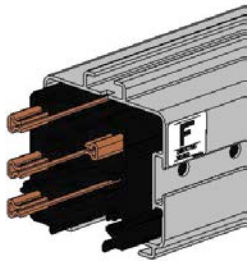
The conductors are supported and braced with a durable, high-strength polycarbonate bus support that has a Class B 130 °C insulation rating. The bus supports provide superior fault current bracing and provide finger-safe protection to IP2X specification.

For Pow-R-Trak continuous plug-in low-ampere busway, there are no special provisions for plug-in unit connections. Each plug-in unit can be installed at any location along the length of the busway. A support bracket is provided on each plug-in unit for additional bracing and support. This prevents the plug-in unit from disengaging due to vibration or forceful contact.

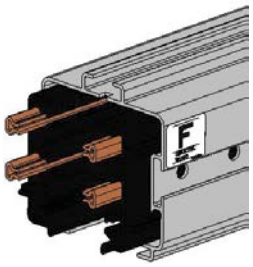
The neutral conductor is made from the same material as the phase conductors and is the same physical size, providing 100% to 200% neutral capacity on select current ratings. See **Table 24.3-12** for neutral capacity by ampere rating.



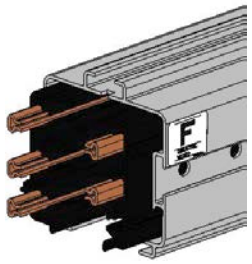
Three-Wire Housing Ground



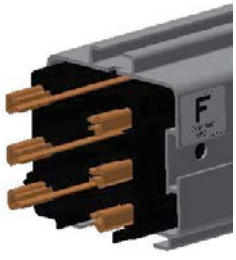
Three-Wire Internal Ground



Four-Wire Housing Ground



Four-Wire Internal Ground



Four-Wire Internal Ground 200% Neutral

Figure 24.3-1. Conductor Configurations

Ground Options

Integral ground—uses the extruded aluminum housing as the ground/earth path. It has been designed, manufactured and UL listed as a 50% integral ground/earth path and is fully fault rated. The system ground continuity is maintained through each joint by the aluminum T-blocks that span each bridge joint. The busway housing is provided with ground/earth path contact surfaces on each end. When installed, the contact surfaces are bolted directly to the T-block that maintains continuity of the busway ground/earth path through the joint. A highly visible label is furnished on each joint cover to alert the installer that the covers must be properly installed to maintain the ground/earth path. The result is a 50% ground/earth path with very low resistance characteristics.

Internal (100%) ground—uses a copper ground/earth conductor that is internal to the busway and is UL listed as a 50% ground/earth path. The internal ground/earth continuity is maintained through the bridge joint in the same fashion as each phase conductor. This is complimentary to the housing ground, and in conjunction these two provide 100% ground capacity.

Housing Details

The Pow-R-Trak continuous plug-in low-ampere busway is constructed with a single piece, heavy-duty "inverted U"-shaped aluminum extruded base housing.

The extrusion profile incorporates hanging provisions, slots for the T-blocks to secure the bridge joint and retention ribs to hold the bus bar supports in place, as well as asymmetrical features that prevent improper installation of bridge joints and plug-in devices.

The non-magnetic, all-aluminum housing provides for excellent heat dissipation and a significant reduction in reactance and magnetic flux leakage, as compared to steel, or steel and aluminum combination housings. The integrity and strength of the housing ensures specifiers and users of a safe and durable installation over a broad spectrum of applications.

A protective finish is applied by an electrostatic process. There are two color options: ANSI 61 gray or black.

Bridge Joint

Pow-R-Trak joint connections feature a slide-in bridge joint package, which is installed on each section of busway prior to shipment. The bridge joint has continuous contacts made of extruded high-strength copper to connect between each bus bar. The bus connecters have a "knife edge" feature to improve ease of installation.

The bridge joint cover is a robust structural connection. It is secured with an aluminum T-block that maintains the ground path across the bridge joint.

The slide-in bridge joints can be removed and reinstalled, allowing for flexibility and system reconfiguration. Each job is provided with a joint puller to facilitate installation.

Pow-R-Trak Continuous Plug-In Busway

- 150–225 A copper

Straight sections of feeder busway can be supplied in 12-inch (304.8 mm) increments, from 24.00 inches (609.6 mm) minimum to 120.00 inches (3048.0 mm) maximum. Each section will include one factory-installed bridge joint on the left end of the busway when viewing from the front. There is a continuous opening along the bottom of the busway for plug-in unit installation at any location. For safety and reliability, the busway has a finger-safe design to prevent unintentional access of fingers or other objects.

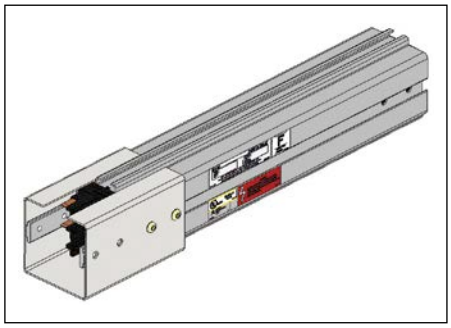


Figure 24.3-2. Continuous Plug-In Busway

Fittings

There are various fittings allowing the Pow-R-Trak continuous plug-in low-ampere busway to meet every application need: elbows, tees, cable tap boxes and end closers.

These fittings, along with standard and minimum dimensions, are described on the following pages.

The relationship of fittings to straight lengths (forward and rearward) is illustrated in **Figure 24.3-3**.

All straight lengths and fittings are marked with an "F" label. The "F" marks the front of the busway and will be noted on the construction or the as-built drawings provided by Eaton.

Phasing—the phasing is indicated by the location of the "F" label. When facing the front of the busway, the phasing is G(2) A-B-C-N-N(2) clockwise from bottom left. See **Figure 24.3-4**.

When installing Pow-R-Trak continuous plug-in low-ampere busway, the "F" labels on the front of the busway must be aligned. Failure to do so will result in an improper installation with the phase bars out of sequence.

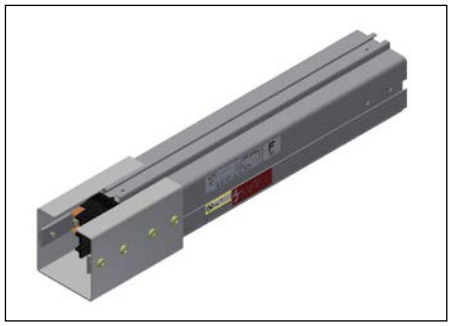


Figure 24.3-3. Busway Orientation

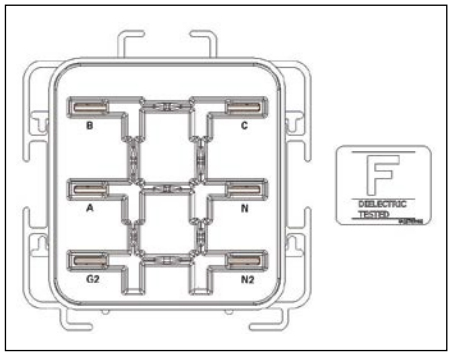


Figure 24.3-4. Busway Phase Sequence

Traditional Elbows

Elbows are used to make 90-degree changes in the direction of the busway layouts. There are two elbow options available: forward and rearward, allowing the busway layout to turn in plane.

Figure 24.3-5 shows the standard leg lengths for each type of elbow for all ratings and configurations. Non-standard lengths are also available.

All dimensions shown are to the centerline of the bridge joint and centerline of the busway.

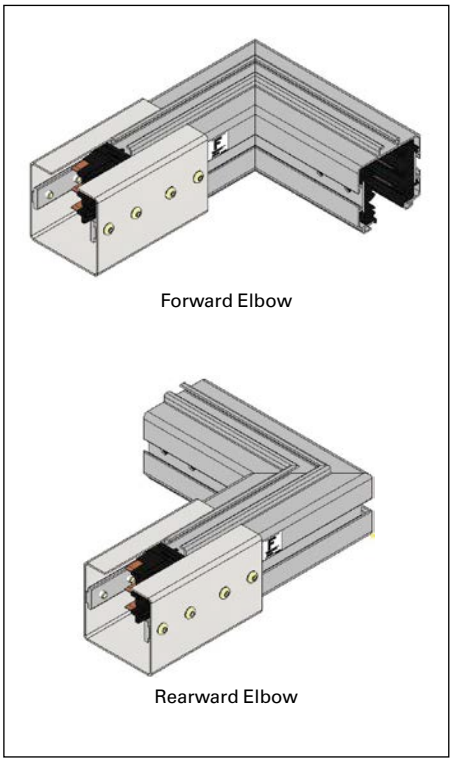


Figure 24.3-5. Traditional Elbows

Cable Tap Boxes

There are two types of cable tap boxes: end and center. End cable tap boxes are used to feed power to a run of busway with cable and conduit or where loads served by busway are connected without the need of overcurrent protection. There are two designs for end cable tap boxes. One is for a left-hand orientation and one for a right-hand orientation. The two separate designs allow for flexible orientation no matter which direction your busway is running. 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 of overcurrent protection.

The top and side covers are removable, allowing easy access to the lugs with tools and improving the ease of cable termination. See **Figure 24.3-7** and **Figure 24.3-8**. There is one mechanical lug provided for each phase and the ground.

Table 24.3-1. Terminal Conductor Range

Rated Current	Number of Lugs per Phase
Copper	
150–225 A	Phase and neutral (1) #4–350 kcmil Ground (1) #8–1/0

Figure 24.3-7 shows the standard stub lengths for each type of cable tap box for all ratings and configurations. Contact your local Eaton sales representative for non-standard lengths and enclosure sizes.

All dimensions shown are to the centerline of the bridge joint measured from the edge of the box enclosure.

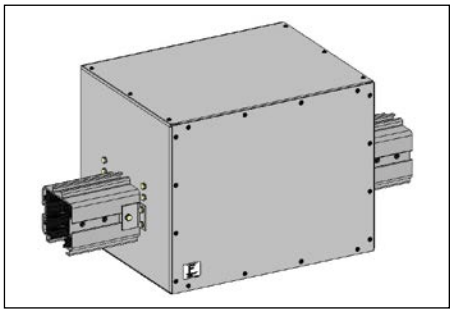


Figure 24.3-6. Center Cable Tap Box

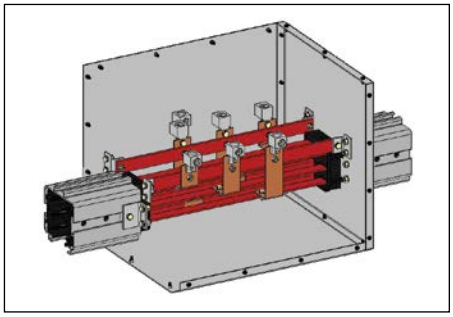


Figure 24.3-7. Center Cable Tap Box Detail View

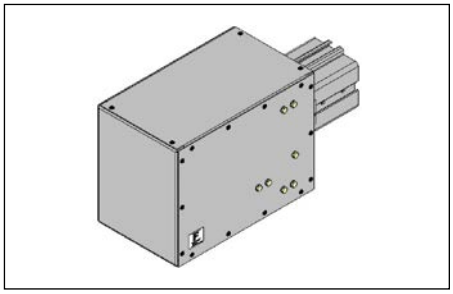


Figure 24.3-8. Left Hand—End Cable Tap Box

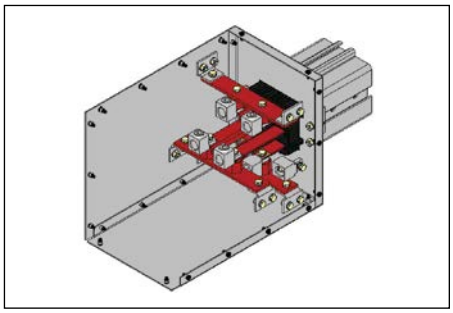


Figure 24.3-9. End Cable Tap Box Detail View

End Closers

End closers terminate a bus run and can be used to cap off either the left or right end of a section of busway. End closers enclose and prevent incidental contact with live conductors. An end closer adds 0.25 inches to the overall length of the busway run. See **Figure 24.3-10**.

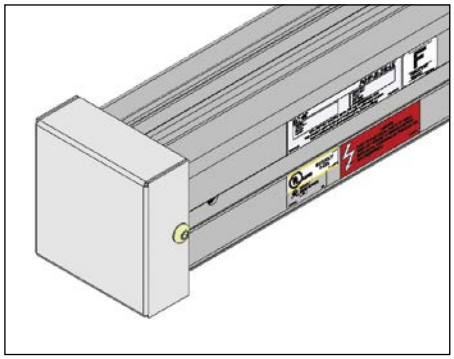


Figure 24.3-10. End Closer

Horizontal Hanger—Single

Horizontal hangers provide a means to attach a single 0.50-inch (12.7 mm) threaded drop rod to the busway, suspending the busway from above. Each hanger comes with the hardware to mount the hanger to the busway. One hanger should be used every 10 feet (3 m), and the busway span between hangers should not exceed 10 feet (3 m). See **Figure 24.3-11**.

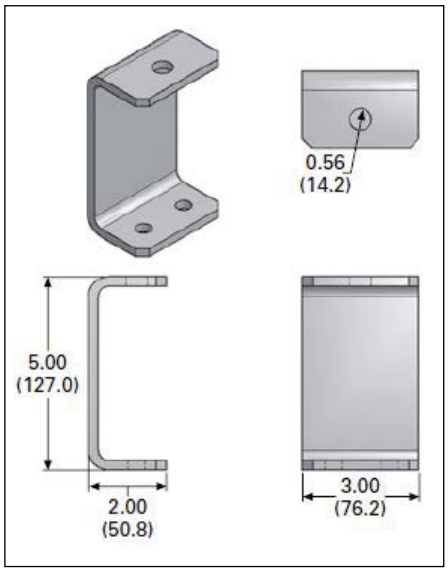


Figure 24.3-11. Hanger

Receptacle Plug-In Units

Eaton's unique receptacle plug-in unit design makes them the most flexible receptacle units in the industry. Pow-R-Trak receptacle plug-in units come fully assembled and wired, reducing installation time. Each unit is built to order, based upon receptacle type and rating combinations. Additionally, each individual unit has been optimally phase balanced and is also optimally phase balanced for the entire run, based upon the combination of receptacle plug-in units on the run.This eliminates the need to manually phase balance during installation.They are UL 857 and CSA listed, and come in seven different styles with two different breaker options, using standard NEMA receptacle configurations.

Table 24.3-2. Maximum 240 V Plug-In Units

Plug-In Unit Type	Maximum Ampere Rating	Maximum Ampere Rating/Circuit	Number of Circuits	Receptacle Mounting
Single	60	60	1	Fixed/cord
Double	60	30	2	Fixed/cord

Table 24.3-3. Maximum 400/480/600 V Plug-In Units

Plug-In Unit Type	Maximum Ampere Rating	Maximum Ampere Rating/Circuit	Number of Circuits	Receptacle Mounting
Single	60	60	1	Fixed/cord
Double	60	30	2	Fixed/cord

Note: For receptacle options, see receptacle selection chart.

Table 24.3-4. Receptacle Unit Physical Dimensions in Inches (mm)

Plug-In Unit Type	Protective Device	Width	Height	Depth
Single	GHC FAZ CCP	7.42 (188.5) 7.42 (188.5) 7.42 (188.5)	12.50 (317.5) 12.50 (317.5) 12.50 (317.5)	4.00 (101.6) 4.00 (101.6) 4.00 (101.6)
Double	GHC fixed GHC cord FAZ fixed	10.25 (260.4) 8.75 (222.3) 10.25 (260.4)	16.29 (413.8) 16.29 (413.8) 16.29 (413.8)	4.00 (101.6) 4.00 (101.6) 4.00 (101.6)
	FAZ cord CCP fixed CCP cord	8.75 (222.3) 10.25 (260.4) 8.75 (222.3)	16.29 (413.8) 16.29 (413.8) 16.29 (413.8)	4.00 (101.6) 4.00 (101.6) 4.00 (101.6)

Table 24.3-5. Receptacle Unit Short-Circuit Withstand Rating (rms Symmetrical)

Plug-In Unit Type	Protective Device	240V	400V	480V
Single	GHC FAZ ① CCP switch ②	22,000 A 10,000 A 22,000 A	22,000 A 10,000 A 22,000 A	— — 22,000 A
Double	GHC FAZD ① CCP switch ②	22,000 A 10,000 A 22,000 A	22,000 A 10,000 A 22,000 A	— — 22,000 A

① 25 kAIC is available for single-phase connectors at 240 V.
② The short-circuit rating of the plug-in unit will match that of the busway that it is installed.

NEMA Receptacle Configurations

Table 24.3-6. Straight-Blade Receptacles

Phase	Voltage	Configuration	15 A	20 A	30 A	50 A	60 A
Single	125	Two-pole, three-wire, grounded	5–15R ③	5–20R ③	5–30R	—	—
	250	Two-pole, three-wire, grounded	6–15R ③	6–20R ③	6–30R	—	—
	277	Two-pole, three-wire, grounded	7–15R	7–20R	—	—	—
Three	250	Three-pole, four-wire, grounded	15–15R	15–20R	15–30R	—	—

③ Available in a duplex configuration.

Table 24.3-7. Twist-Lock Receptacles

Phase	Voltage	Configuration	15 A	20 A	30 A	50 A	60 A
Single	125	Two-pole, three-wire, grounded	L5–15R ④	L5–20R ④	L5–30R	CS6360 ⑤	—
	250	Two-pole, three-wire, grounded	L6–15R ④	L6–20R ④	L6–30R	CS8264 ⑤	—
	277	Two-pole, three-wire, grounded	L7–15R	L7–20R	L7–30R	—	—
	480	Two-pole, three-wire, grounded	—	L8–20R	L8–30R	—	
Three	250	Three-pole, four-wire, grounded	—	L15–20R	L15–30R	CS8364 ⑤	—
	208/120	Three-pole, five-wire, grounded	—	L21–20R	L21–30R	—	
	480/277	Three-pole, five-wire, grounded	—	L22–20R	L22–30R	—	

④ Available in a duplex configuration.
⑤ California standard receptacles.

Table 24.3-8. Pin and Sleeve Connectors (UL and IEC 309)

Phase	Voltage	Configuration	15 A	20 A	30 A	50 A	60 A
Single	125	Two-pole, three-wire, grounded	—	P5-20C	P5-30C	—	P5-60C
	250	Two-pole, three-wire, grounded	—	P6-20C	P6-30C	—	P6-60C
	277	Two-pole, three-wire, grounded	—	P7-20C	P7-30C	—	P7-60C
	480	Two-pole, three-wire, grounded	—	P15-20C	P15-30C	—	P15-60C
Three	250	Three-pole, four-wire, grounded	—	P15-20C	P15-30C	—	P15-60C
	208/120	Three-pole, five-wire, grounded	—	P21-20C	P21-30C	—	P21-60C
	480/277	Three-pole, five-wire, grounded	—	P22-20C	P22-30C	—	P22-60C

Note: For other receptacle options, contact the factory. 480/277 V receptacles may be applied at 400/230 V.

GHC Single Receptacle Unit (480 V Max.)

The single receptacle unit shown in **Figure 24.3-12** is configured to order based upon the receptacle type and rating. These units are three-phase and can service single- or three-phase loads, 120 V, 240 V, 208/120 V, 400/230 V and 480/277 V. They use Type GHC Series C molded case breaker (10 kAIC), single-, two- or three-pole breakers. Each unit comes with one receptacle, with the breaker sized per the receptacle rating. Each receptacle can be fixed-mounted to the front of the enclosure or cable-mounted to a cord drop coming out of the bottom of the enclosure. See **Figure 24.3-13**. Cord drop lengths may be 1–15 ft in 1-ft increments. Consult NEC Sections 368, 400 and 645 for cord drop applications.

Figure 24.3-12. Single Receptacle Unit (Enclosure Mounted)

Figure 24.3-13. Single Receptacle Unit (Cord Mounted)

GHC Double Receptacle Unit (480 V Max.)

The double receptacle unit shown in **Figure 24.3-14** is configured to order based upon each receptacle type and rating. These units are three-phase and can service single- or three-phase loads, 120 V, 240 V and 208/120 V, 400/230 V and 480/277 V. They use Type GHC Series C molded case breaker (10 kAIC), single-, two- or three-pole breakers. Each unit comes with up to two receptacles, with each breaker sized per the receptacle rating. Each receptacle can be fixed-mounted to the front of the enclosure or cable-mounted to a cord drop coming out of the bottom of the enclosure. See **Figure 24.3-15**. Cord drop lengths may be 1–15 ft in 1-ft increments. Consult NEC Sections 368, 400 and 645 for cord drop applications.

Figure 24.3-14. Double Receptacle Unit (Enclosure Mounted)

Figure 24.3-15. Double Receptacle Unit (Cord Mounted)

CCP with CUBEFuse Single Receptacle Unit

The single receptacle unit shown in **Figure 24.3-16** is configured to order based upon the receptacle type and rating. These units are three-phase and can service single- or three-phase loads up to 600 V maximum (120 V, 240 V, 400 V, 480 V, 600 V, 208Y/120 V, 400/230 V, 480/277 V, 600/347 V). They use the compact circuit protector (CCP switch) and CUBEFuse® ①, which can be rated to match the busway that it is being installed on. It can be used in a single-, two- or three-pole fusible switch configuration. Each unit comes with one receptacle, with the switch sized per the receptacle rating. Each receptacle can be fixed-mounted to the front of the enclosure or cable-mounted to a cord drop coming out of the bottom of the enclosure. See **Figure 24.3-17**. Cord drop lengths may be 1–15 ft in 1-ft increments. Consult NEC Sections 368, 400 and 645 for cord drop applications.

① Information on CUBEFuse can be found on **Page 24.3-8**.

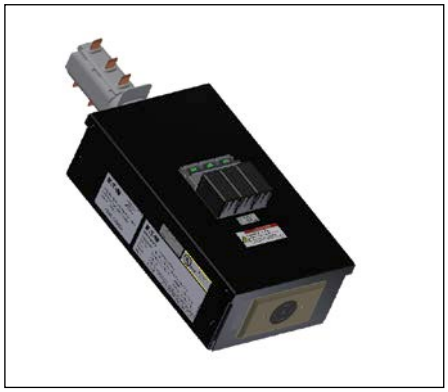


Figure 24.3-16. Single Receptacle Unit (Enclosure Mounted)

Figure 24.3-17. Single Receptacle Unit (Cord Mounted)

CCP with CUBEFuse Double Receptacle Unit

The double receptacle unit shown in **Figure 24.3-18** is configured to order based upon the receptacle type and rating. These units are three-phase and can service single- or three-phase loads up to 600 V maximum (120 V, 240 V, 400 V, 480 V, 600 V, 208Y/120 V, 400/230 V, 480/277 V, 600/347 V). They use the compact circuit protector (CCP switch) and CUBEFuse, which can be rated to match the busway that it is being installed on. It can be used in a single-, two- or three-pole fusible switch configuration. Each unit comes with one receptacle, with the switch sized per the receptacle rating. Each receptacle can be fixed-mounted to the front of the enclosure or cable-mounted to a cord drop coming out of the bottom of the enclosure. See **Figure 24.3-19**. Cord drop lengths may be 1–15 ft in 1-ft increments. Consult NEC Sections 368, 400 and 645 for cord drop applications.

Figure 24.3-18. Double Receptacle Unit (Enclosure Mounted)

Figure 24.3-19. Double Receptacle Unit (Cord Mounted)

CUBEFuse

The innovative CUBEFuse is available in ampere ratings up to 60 A installed in Pow-R-Flex receptacle plugs. These fuses allow the bus plug to match the short-circuit rating of the bus system that they are installed on. These fuses have been available for over a decade and have the smallest footprint in the industry as well as being finger-safe. The CUBEFuse is available in a time-delay version (TCF), which has a 600 Vac rating and a fast-acting (non-time-delay) (FCF), which also has a 600 Vac rating. Both CUBEFuse versions are very current limiting, resulting in excellent equipment short-circuit protection and arc flash incident energy mitigation. The TCF fuse is available in an on-board indicating version and a non-indicating version. The FCF is available in a non-indicating version.

Figure 24.3-20. CUBEFuse

Features and Benefits

- The world's first finger-safe power fuse system
- Meets Class J time-delay electrical performance requirements
- Faster response to damaging faults to help reduce destructive thermal and magnetic forces
- No venting of arc or molten gases during opening
- Low let-through currents under fault conditions
- Easy selective coordination with any other Eaton Bussmann® Low-Peak® Class L, J and RK1 fuse with simple 2:1 amp ratio between upstream and downstream fuses

Table 24.3-9. CUBEFuse Catalog Numbers (Ampere Rating)

Catalog Number					
Indicating					
TCF6 TCF30 TCF70	TCF10 TCF35 TCF80	TCF15 TCF40 TCF90	TCF17-1/2 TCF45 TCF100	TCF20 TCF50 —	TCF25 TCF60 —
Non-Indicating					
TCF1RN TCF20RN TCF50RN	TCF3RN TCF25RN TCF60RN	TCF6RN TCF30RN TCF70RN	TCF10RN TCF35RN TCF80RN	TCF15RN TCF40RN TCF90RN	TCF17-1/2RN TCF45RN TCF100RN

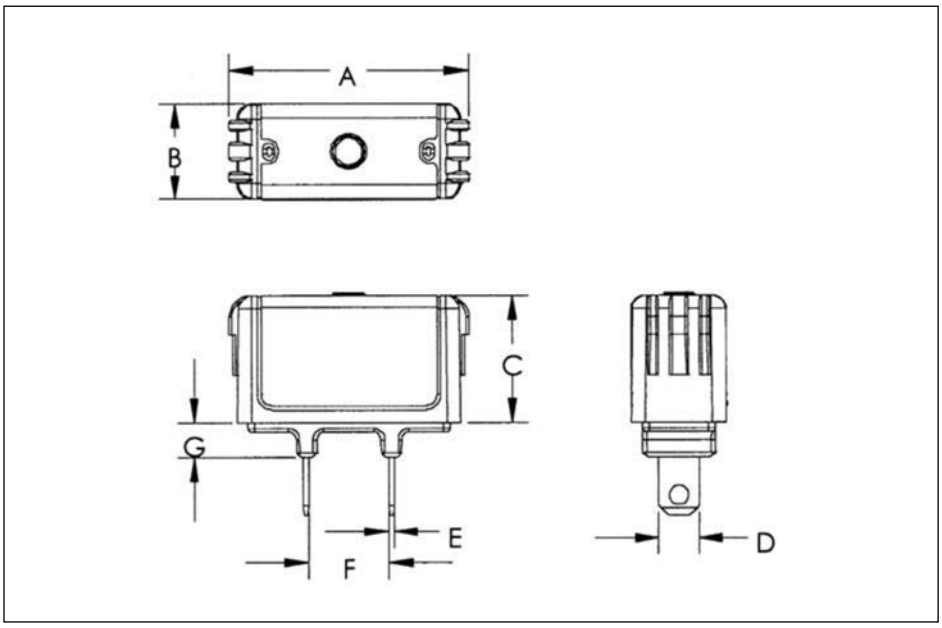


Figure 24.3-21. CUBEFuse Dimensions in Inches (mm)

Table 24.3-10. CUBEFuse Dimensions in Inches (mm)

Fuse Amperes	A	B	C	D	E	F	G
1–15	1.88 (47.8)	0.75 (19.1)	1.00 (25.4)	0.23 (5.8)	0.04 (1.0)	0.63 (16.0)	0.27 (6.9)
17.5–20	1.88 (47.8)	0.75) (19.1)	1.00 (25.4)	0.27 (6.9)	0.04 (1.0)	0.63 (16.0)	0.27 (6.9)
25–30	1.88 (47.8)	0.75 (19.1)	1.00 (25.4)	0.31 (8.0)	0.04 (1.0)	0.63 (16.0)	0.27 (6.9)
35–40	2.13 (54.1)	1.00 (25.4)	1.13 (28.7)	0.36 (9.1)	0.04 (1.0)	0.63 (16.0)	0.38 (9.7)
45–50	2.13 (54.1)	1.00 (25.4)	1.13 (28.7)	0.40 (10.2)	0.04 (1.0)	0.63 (16.0)	0.38 (9.7)
60	2.13 (54.1)	1.00 (25.4)	1.13 (28.7)	0.44 (11.2)	0.04 (1.0)	0.63 (16.0)	0.38 (9.7)

FAZ Single Receptacle Unit

The single receptacle unit shown in **Figure 24.3-22** is configured to order based upon the receptacle type and rating.These units are three-phase and can service single- or three-phase loads up to 415 V maximum (120 V, 240 V,400 V, 208Y/120 V, 400/230 V,480/277 V). FAZType molded case circuit breakers are used in single-pole, two-pole, or three-pole configurations. Each unit comes with one receptacle, with the breaker sized per the receptacle rating. Each receptacle can be fixed-mounted to the front of the enclosure or cable-mounted to a cord drop coming out of the bottom of the enclosure. See **Figure 24.3-23**. Cord drop lengths may be 1–15 ft in 1-ft increments. Consult NEC Sections 368, 400 and 645 for cord drop applications.

Figure 24.3-22. Single Receptacle Unit (Enclosure Mounted)

Figure 24.3-23. Single Receptacle Unit (Cord Mounted)

FAZ Double Receptacle Unit

The double receptacle unit shown in **Figure 24.3-24** is configured to order based upon the receptacle type and rating. These units are three-phase and can service single- or three-phase loads up to 415 V maximum (120 V, 240 V, 400 V, 208Y/120 V, 400/230 V, 480/277 V). FAZ Type molded case circuit breakers are used in single-pole, two-pole or three-pole configurations. Each unit comes with two receptacles, with the breakers sized per the receptacle rating. Each receptacle is cable mounted to a cord drop coming out of the bottom of the enclosure. See **Figure 24.3-25**. Cord drop lengths may be 1–15 ft in 1-ft increments. Consult NEC Sections 368, 400 and 645 for cord drop applications.

Figure 24.3-24. Double Receptacle Unit (Enclosure Mounted)

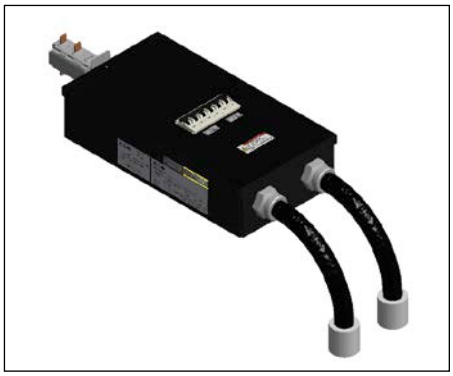


Figure 24.3-25. Double Receptacle Unit (Cord Mounted)

Installation Drawing Information

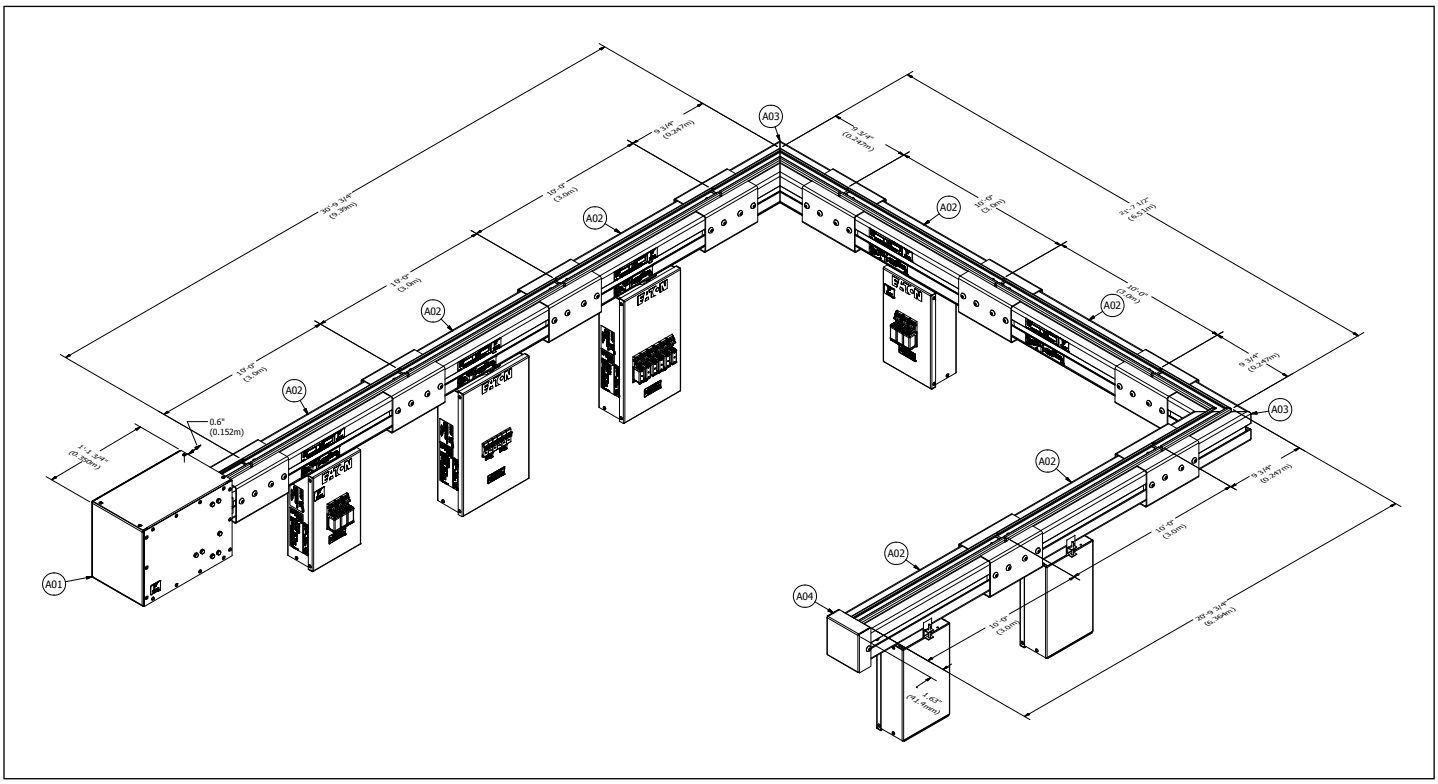


Figure 24.3-26. Sample Installation Drawing

After the layout approval process, installation drawings will be provided just prior to shipment of the busway from the factory. A sample is illustrated in **Figure 24.3-26**. The drawings will contain a complete layout of the entire busway installation and a bill of material that includes the following:

1. The item number of each section, which can be correlated with the layout drawing.
2. A description of each section.
3. The style number of each section, which can be correlated to the nameplate information on each section.
4. The quantity of each style number required.
5. The height, width and weight (per foot) of each ampere rating.
6. Location of "F" markings on the busway.
7. Fitting reference drawings.
8. Electrical equipment locations and orientation.
9. Wall and floor locations.
10. The length of each section.

The installer should review the installation drawings prior to and during the installation process. Please note that plug-in units are generally not shown on the installation drawings. The installer will also receive installation instruction leaflets, and operation and maintenance manuals with the drawings.

Electrical Data

Table 24.3-11. Short-Circuit Ratings—Three-Cycle rms Symmetrical

Ampere Rating	Plug-In Short-Circuit Rating
Copper	
225	22,000

Table 24.3-12. Oversized Neutral Ratings

Ampere Rating	Neutral Size D X W Inches (mm)	Neutral Rating
Copper		
225	1.40 x 0.9 (35.6 x 2.3) (2 bars)	200%

Physical Data

Table 24.3-13. Physical Dimensions—Width x Height in Inches (mm)

Ampere Rating	Phase Connector	Ground Conductor	House Enclosure
225	1.40 x 0.09 (35.6 x 2.3)	1.40 x 0.09 (35.6 x 2.3)	4.56 x 4.75 (115.8 x 120.7)

Table 24.3-14. Weight (lb ft)/Current Density (A/in^2)

Ampere Rating	Current Density	Weight Three-Wire	Weight Four-Wire	Add for Ground 100%	Add for 200% Neutral
225	1786	7.5	8	1.3	1.3

Table 24.3-15. Weight (kg/m)/Current Density (A/cm^2)

Ampere Rating	Current Density	Weight Three-Wire	Weight Four-Wire	Add for Ground 100%	Add for 200% Neutral
225	251	11.16	11.91	1.93	1.93

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