

# The industry's most flexible receptacle units

Eaton's unique receptacle plug-in unit design makes them the most flexible receptacle units in the industry. They are well adapted for use in data centers, laboratories, machining shops, industrial manufacturing or anywhere small blocks of power are required. Pow-R-Flex™ receptacle plug-in units come fully assembled and wired, reducing installation time. Each unit is built-to-order based upon the receptacle type and the rating combinations.

Eaton's phase optimization program takes the worry out of balancing the current load on each phase of the busway system. Each individual receptacle plug-in unit is optimally phase balanced. Additionally, all the receptacle plug-in units for each run are optimally phase balanced against each other to get the best possible current equalization on each run.

Receptacle plug-in units are available in two different styles—breaker and fusible—with many configurations and a variety of options. These plug-in units are available with standard NEMA® receptacle configurations as well as Non-NEMA California Standard Receptacles and UL® Listed IEC 309 pin and sleeve connectors. IEC 309 pin and sleeve connectors are available in North American and international voltages.

- Single receptacle—Single receptacle units come with one receptacle/connector and may be single- or three-phase up to 60A each and 600V maximum. Each receptacle may be fixed-mounted to the enclosure or cord-mounted
- Double receptacle—Double receptacle units come with up to two receptacles/connectors and may be a combination of single- or three-phase up to 60A each and 600V maximum. Each receptacle may be fixed-mounted to the enclosure or cord-mounted
- Quad receptacle—Quad receptacle units come with up to four receptacles/connectors and may be a combination of single- or three-phase up to 60A (120A unit maximum) and 600V maximum. Each receptacle may be fixed-mounted to the enclosure or cord-mounted
- Overcurrent protection device options—Eaton's receptacle plug-in units can be ordered with either a fusible switch or a molded-case circuit breaker. The fusible switch is Eaton's Cooper Bussmann® Compact Circuit Protector (CCP) and CUBEFuse® combination. This option can be rated to match the short-circuit current rating of the busway system that it

is being installed on up to 42 kAIC at 600V or below. Eaton's performance-rated F-Frame molded-case circuit breakers can be used at voltages up to 600V, and the fully assembled units are 22 kAIC maximum rated with connectors. The third option is the GHC breaker. With the performance of a Series C® circuit breaker, the GHC breaker offers an economical option for plug-in units that are 10 kAIC rated and used at voltages up to 480V

- Receptacle options—Eaton offers UL Listed NEMA configurations for both straight-blade and twist-lock styles. UL Listed IEC 309 pin and sleeve connectors may be used in the cord-mounted option only. Non-NEMA California Standard twist-lock receptacles are also available. See **Table 6**
- Mounting options—Receptacles may be fixed-mounted to the front of the enclosure or cord-mounted to the end of an S/O drop cord. Drop cord lengths come in 1-ft increments (minimum 2-ft length) and should be applied per NEC® Consult Sections 368, 400 and 645



**Single CCP Receptacle Unit, Fixed-Mounted**

**Double CCP Receptacle Unit, Fixed-Mounted**



**Single GHC Receptacle Unit, Fixed-Mounted**

**Double GHC Receptacle Unit, Fixed-Mounted**



**Single CCP Receptacle Unit, Cord-Mounted**



**Double CCP Receptacle Unit, Cord-Mounted**



**Single GHC Receptacle Unit, Cord-Mounted**



**Single FD Receptacle Unit, Fixed-Mounted**



**Double FD Receptacle Unit, Fixed-Mounted**



**Double GHC Receptacle Unit, Cord-Mounted**



Powering Business Worldwide



**600V Double FD Receptacle Unit, Cord-Mounted**



**600V Quad FD Receptacle Unit, Cord-Mounted**

**Table 1. Maximum 240V 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	120	60	2	Fixed/cord
Quad	120	60	4	Fixed/cord

**Table 2. Maximum 400/480/600V 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	120	60	2	Fixed/cord
Quad	240	60	4	Fixed/cord

**Note:** For receptacle and connector options, see **Tables 5–7**.

**Table 3. Receptacle Unit Physical Dimensions in Inches (mm)**

Plug-In Unit Type	Protective Device	Voltage	Width	Height	Depth
Single	GHC	240	7.50 (190.5)	8.60 (218.4)	4.00 (101.6)
	FD	400	8.50 (215.9)	11.50 (292.1)	6.50 (165.1)
	FD	480	8.50 (215.9)	11.50 (292.1)	6.50 (165.1)
	CCP switch	400	7.50 (190.5)	8.60 (218.4)	4.00 (101.6)
	CCP switch	480	7.50 (190.5)	8.60 (218.4)	4.00 (101.6)
Double	GHC	240	11.80 (299.7)	8.75 (222.3)	4.00 (101.6)
	FD	400	11.00 (279.4)	12.00 (304.8)	6.40 (162.6)
	FD	480	11.00 (279.4)	12.00 (304.8)	6.40 (162.6)
	CCP switch	400	11.80 (299.7)	8.75 (222.3)	4.00 (101.6)
	CCP switch	480	11.80 (299.7)	8.75 (222.3)	4.00 (101.6)
Quad	FD	240	20.50 (520.7)	11.30 (287.0)	7.10 (180.3)
	FD	400	20.50 (520.7)	11.30 (287.0)	7.10 (180.3)
	FD	480	20.50 (520.7)	11.30 (287.0)	7.10 (180.3)

**Table 4. Receptacle Unit Short-Circuit Withstand Rating (rms Symmetrical)**

Plug-In Unit Type	Breaker Type	240V	400V	480V
Single	GHC	10,000A	10,000A	10,000A
	FD ①	22,000A	10,000A	10,000A
	CCP switch ②	42,000A	42,000A	42,000A
Double	GHC	10,000A	10,000A	10,000A
	FD ①	22,000A	10,000A	10,000A
	CCP switch ②	42,000A	42,000A	42,000A
Quad	GHC	10,000A	10,000A	10,000A
	FD ①	22,000A	10,000A	10,000A
	CCP switch ②	42,000A	42,000A	42,000A

① 25 kAIC is available for single-phase connectors at 240V.

② The short-circuit rating of the plug-in unit will match that of the busway on which it is installed.

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Printed in USA  
Publication No. PA01701007E / Z13849  
July 2013

## NEMA receptacle configurations

**Table 5. Straight-Blade Receptacles**

Phase	Voltage	Configuration	15A	20A	30A	50A	60A
Single	125V	Two-pole, three-wire, grounded	5–15R ①	5–20R ①	5–30R	—	—
	250V	Two-pole, three-wire, grounded	6–15R ①	6–20R ①	6–30R	—	—
	277V	Two-pole, three-wire, grounded	7–15R	7–20R	—	—	—
Three	250V	Three-pole, four-wire, grounded	15–15R	15–20R	15–30R	—	—

① Available in a duplex configuration.

**Table 6. Twist-Lock Receptacles**

Phase	Voltage	Configuration	15A	20A	30A	50A	60A
Single	125V	Two-pole, three-wire, grounded	L5–15R ①	L5–20R	L5–30R	CS6360 ②	—
	250V	Two-pole, three-wire, grounded	L6–15R ①	L6–20R	L6–30R	CS8264 ②	—
	277V	Two-pole, three-wire, grounded	L7–15R	L7–20R	L7–30R	—	—
Three	480V	Two-pole, three-wire, grounded	—	L8–20R	L8–30R	—	—
	250V	Three-pole, four-wire, grounded	—	L15–20R	L15–30R	CS8364 ②	—
	208/120V	Three-pole, five-wire, grounded	—	L21–20R	L21–30R	—	—
	480/277V	Three-pole, five-wire, grounded	—	L22–20R	L22–30R	—	—

① Available in a duplex configuration.

② California standard receptacles.

**Table 7. Pin and Sleeve Connectors (UL and IEC 309)**

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

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

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