

Electrical ratings

- 30, 60, 100, 150, 200A 600 VAC/250 VDC

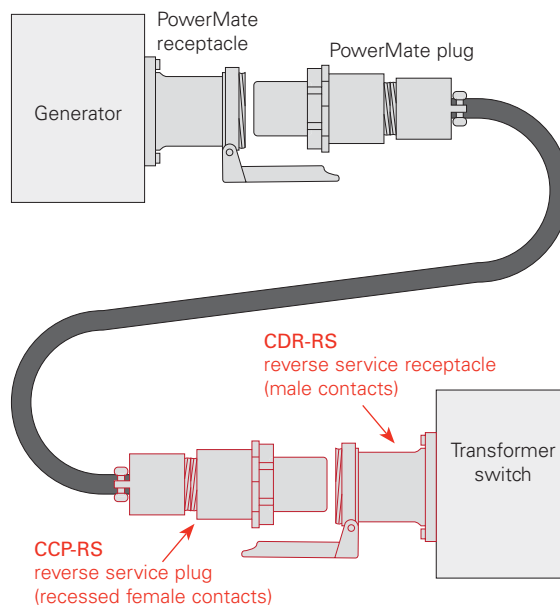
Certifications and compliances

- Plugs (CCP 30-150A) hazardous location rated when used with Crouse-Hinds interlocked receptacles (ex. FSQC, EBBR models)
 - Class I, Division 1, Groups B, C, D (excludes 200A)
 - Class II, Division 1, Groups F, G (excludes 200A)
- CE marked (excludes RS option and 200A)
- UL standards
 - UL1682; UL1686; NEMA250; IEC60309-1; IEC60309-2
- CSA standard
 - CSA 22.2 No. 182.1
- Suited for use with Type P cable, flexible cord and cables rated for extra hard usage
- NEMA 4X



Options

- **Special polarity** – receptacle interior rotated 22.5° to the right and plug changed to match. For use where two or more receptacles of the same ampere rating, style and number of poles are to be installed in the same area for use on different voltages and/or frequencies. Prevents insertion of a plug in a receptacle with different electrical rating.
- **Reverse service** – receptacle assembled with plug interior and plug assembled with receptacle interior. Used in applications where plug is energized to feed normally de-energized receptacle. Interiors are field interchangeable using only a screwdriver.
(* excludes 150 and 200A)



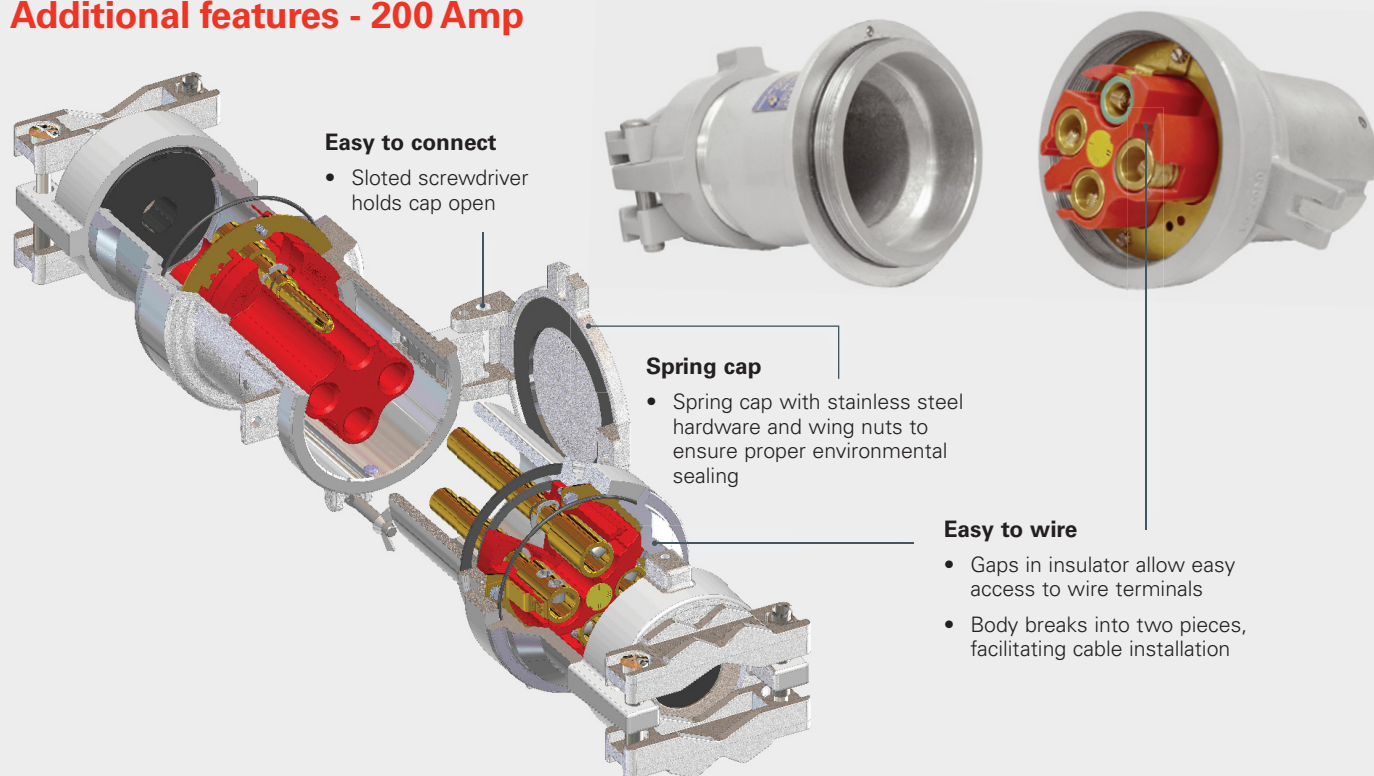
Standard materials

- Receptacle housing, plug and cord connector bodies - high impact strength copper-free aluminum (less than 0.4% copper)
- Back boxes - cast aluminum
- Insulation - fiberglass reinforced polyester
- Contacts - naval brass

Standard finishes

- Copper-free aluminum - epoxy powder coat
- Fiberglass reinforced polyester - natural (red)
- Naval brass - natural

Additional features - 200 Amp



Ordering information

Part number example and description

CCP3034BC-RS

Eaton's Crouse-Hinds PowerMate™ plug, 30A, 3 wire, 4 pole, 0.390-1.375" cable range, reverse service

CCP

Product type	
CCP	Plug
CDR	Receptacle
CRC	Connector
CDRE*	Receptacle with CEE back box
CDJA**	Receptacle with CJA back box

* Available with 30A and 60A receptacle

**Available with 60A, 100A, 150A and 200A receptacle

Amperage	
30	30 Amp
60	60 Amp
10	100 Amp
150	150 Amp
200	200 Amp

30

3

Wire	
2*	2 wire
3	3 wire
4	4 wire

* Available with 30A, 60A and 100A product

4

Pole	
2	2 pole
3	3 pole
4	4 pole

BC

Cable range (plug & connector only)*	
BC	0.390 to 1.375"
CD	0.875 to 1.906"
DE	1.250 to 2.190"
E	1.875 to 2.500"
F	2.500 to 3.000"
G	3.000 to 3.500"

* Cable range only applies to specific plug part numbers

RS

Options	
-RS	Reverse service
-P4	Special polarity

Hub size (receptacle with back box only)*	
50	½"
75	¾"
100	1"
125	1-¼"
150	1-½"
200	2"
250	2-½"
300	3"
350	3-½"
400	4"
500	5"

* Hub size only applies to specific receptacle part numbers

Horsepower ratings

Amp rating	Voltage
30, 60, 100, 150, 200	600 VAC, 50 to 400Hz 250 VDC*

* This guide is for reference only. Consult your local electrical codes before installation.

Maximum horsepower for plug and receptacle combinations by input voltage

Typical horsepower ratings based on NEC Article 430 tables. HP ratings are based on the largest conductor size for each plug and receptacle combination.

** Eaton's Crouse-Hinds recommends circuit breaking use be limited to emergency conditions only and that a horsepower rated switch or Crouse-Hinds interlocked receptacle be used for making and breaking under load.

Amp rating	Motor horsepower**		
	240V	480V	600V
30	15	30	40
60	20	40	50
100	30	60	75
150	40	75	100
200	60	125	150

Grounding

Plug

4 conductor cord

Equipment ground connected to plug shell

Receptacle

Grounded through conduit system

Style 1 units complete the grounding circuit through the metallic plug shell, receptacle housing or connector shell

Plug

4 conductor cord

Equipment ground connected to extra pole and plug shell

Factory-installed jumper

Receptacle

4th (grounding) wire

Grounded through conduit system and extra pole

Style 2 units with metal housing have a separate designated ground contact that is bonded to the metallic housing. The metallic housing of the plug, receptacle or connector forms a parallel ground circuit through the receptacle or connector detent spring.

Wire sizes

The wire size table lists the diameter of the wire recess in PowerMate plug and receptacle contacts so that maximum size of bare conductor can be determined. Range of wire sizes shown in table are intended only as a guide. Depending on type of wire used (building wire, flexible or extra flexible cable) and its construction (number and size of strands), bare copper diameters vary widely.

Diameter: wire recess in plug & receptacle contacts

Amperage rating	Contact type	Diameter of recess	Wire size* extra flex
30 (2, 3 & 4 pole)	Pressure	0.281"	#10 to #8
60 (2, 3 & 4 pole)	Pressure	0.312"	#8 to #4
100 (2, 3 & 4 pole)	Pressure	0.390"	#4 to #2
150 (4 pole)	Pressure	0.390"	#2 to 1/0
200 (3 & 4 pole)	Pressure	0.687"	2/0 to 250 MCM

* Do not use wire size smaller than minimum size recommended

30 Amp: Receptacles, plugs, connectors

Description & configuration	Receptacle	Plug		Cord connector	
		Cable range	Part number	Cable range	Part number
2 wire 2 pole style 1		CDR3022	0.390-1.375"	CCP3022BC	0.390-1.375" CRC3022BC
2 wire 3 pole style 2		CDR3023	0.390-1.375"	CCP3023BC	0.390-1.375" CRC3023BC
3 wire 3 pole style 1		CDR3033	0.390-1.375"	CCP3033BC	0.390-1.375" CRC3033BC
3 wire 4 pole style 2		CDR3034	0.390-1.375"	CCP3034BC	0.390-1.375" CRC3034BC
4 wire 4 pole style 1		CDR3044	0.390-1.375"	CCP3044BC	0.390-1.375" CRC3044BC

Back boxes

Hub size	CEE	CERH	CERC
1/2"	CEE13	CERH13	CERC13
1-1/4"	CEE23	CERH23	CERC23
1-1/2"	CEE33	CERH33	CERC33

- Standard Corro-Free™ epoxy powder coat finish for increased corrosion resistance
- For optional reversed interior, use suffix **-RS**
- For optional rotated interior, use suffix **-P4**
- Maximum conductor size (wire well) 0.281"

60 Amp: Receptacles, plugs, connectors

Description & configuration	Receptacle	Plug		Cord connector	
		Cable range	Part number	Cable range	Part number
2 wire 2 pole style 1		CDR6022	0.440-1.375"	CCP6022BC	0.440-1.375" CRC6022BC
2 wire 3 pole style 2		CDR6023	0.440-1.375"	CCP6023BC	0.440-1.375" CRC6023BC
3 wire 3 pole style 1		CDR6033	0.440-1.375"	CCP6033BC	0.440-1.375" CRC6033BC
3 wire, 4 pole style 2		CDR6034	0.440-1.375"	CCP6034BC	0.440-1.375" CRC6034BC
4 wire 4 pole style 1		CDR6044	0.440-1.375"	CCP6044BC	0.440-1.375" CRC6044BC

Back boxes

Hub size	CEE	CERH	CJA	CERC
1/2"	CEE36	CERH36	CJA310	CERC36
1-1/4"	CEE46	CERH46	CJA410	CERC46
1-1/2"	CEE56	CERH56	CJA510	CERC56
2"	-	-	CJA610	-

- Standard Corro-Free™ epoxy powder coat finish for increased corrosion resistance
- For optional reversed interior, use suffix **-RS**
- For optional rotated interior, use suffix **-P4**
- Maximum conductor size (wire well) 0.312"

100 Amp: Receptacles, plugs, connectors

Description & configuration	Receptacle	Plug		Cord connector	
		Cable range	Part number	Cable range	Part number
2 wire 2 pole style 1		0.875-1.906"	CCP1022CD	0.875-1.906"	CRC1022CD
2 wire 3 pole style 2		0.875-1.906"	CCP1023CD	0.875-1.906"	CRC1023CD
3 wire 3 pole style 1		0.875-1.906"	CCP1033CD	0.875-1.906"	CRC1033CD
3 wire 4 pole style 2		0.875-1.906"	CCP1034CD	0.875-1.906"	CRC1034CD
4 wire 4 pole style 1		0.875-1.906"	CCP1044CD	0.875-1.906"	CRC1044CD

150 Amp: Receptacles, plugs, connectors

Description & configuration	Receptacle	Plug		Cord connector	
		Cable range	Part number	Cable range	Part number
3 wire 4 pole style 2		0.875-1.906"	CCP15034CD	0.875-1.906"	CRC15034CD
		1.250-2.190"	CCP15034DE	1.250-2.190"	CRC15034DE
4 wire 4 pole style 1		0.875-1.906"	CCP15044CD	0.875-1.906"	CRC15044CD
		1.250-2.190"	CCP15044DE	1.250-2.190"	CRC15044DE

200 Amp: Receptacles, plugs, connectors

Description & configuration	Receptacle	Plug		Cord connector	
		Cable range	Part number	Cable range	Part number
2 wire, 3 pole style 2		0.875-1.906"	CCP20023CD	0.875-1.906"	CRC20023CD
		1.875-2.500"	CCP20023E	1.875-2.500"	CRC20023E
3 wire, 3 pole style 1		0.875-1.906"	CCP20033CD	0.875-1.906"	CRC20033CD
		1.875-2.500"	CCP20033E	1.875-2.500"	CRC20033E
3 wire 4 pole style 2		0.875-1.906"	CCP20034CD	0.875-1.906"	CRC20034CD
		1.875-2.500"	CCP20043E	1.875-2.500"	CRC20034E
4 wire 4 pole style 1		0.875-1.906"	CCP20044CD	0.875-1.906"	CRC20044CD
		1.875-2.500"	CCP20044E	1.875-2.500"	CRC20044E

Back boxes: 100 & 150 Amp

Hub size	CJA	CJA adapter only
1"	CJA310	
1-¼"	CJA410	CJA100
1-½"	CJA510	
2"	CJA610	

- Standard Corro-Free™ epoxy powder coat finish for increased corrosion resistance
- For optional reversed interior, use suffix **-RS**
- For optional rotated interior, use suffix **-P4**
- Maximum conductor size (wire well) 0.390"

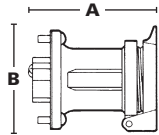
Back boxes

Hub size	CJA	CJAC (through-feed)	CJA adapter only
1-½"	CJA520	–	
2"	CJA620	–	CJA200
2-½"	CJA720	CJAC720	

- Standard Corro-Free™ epoxy powder coat finish for increased corrosion resistance
- For optional reversed interior, use suffix **-RS**
- For optional rotated interior, use suffix **-P4**
- Maximum conductor size (wire well) 0.281"

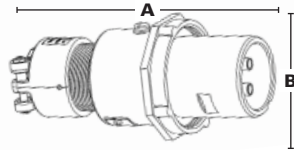
Dimensions

Receptacle



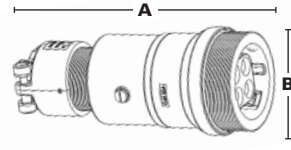
Receptacle	A	B
30A	2.8750	3.3750
60A, 3 pole	4.2500	4.5000
60A, 4 pole	4.2500	4.5000
100A, 3 pole	5.2500	4.2500
100A, 4 pole	5.2500	4.2500
150A CD	5.2500	4.2500
150A DE	5.2500	4.2500
200A	7.8750	7.1875

Plug



Plug	A	B
30A	6.5000	2.3125
60A, 3 pole	8.1700	3.6250
60A, 4 pole	8.1700	3.7500
100A, 3 pole	10.8000	3.7500
100A, 4 pole	10.8000	4.1250
150A CD	10.8000	4.1250
150A DE	10.8000	4.1250
200A	13.1250	7.5000

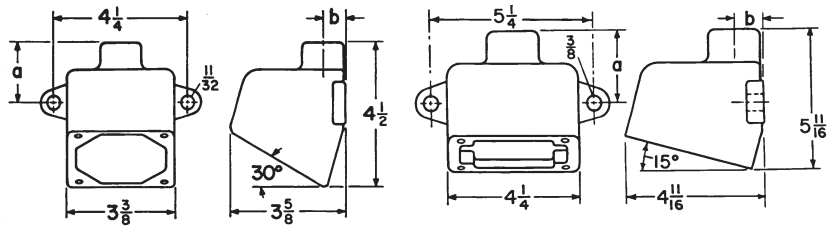
Connector



Connector	A	B
30A	6.6000	2.5625
60A, 3 pole	8.3000	2.3125
60A, 4 pole	8.3000	2.3125
100A, 3 pole	11.5000	3.1875
100A, 4 pole	11.5000	3.4375
150A CD	11.5000	3.4375
150A DE	11.5000	3.4375
200A	14.0000	8.2000

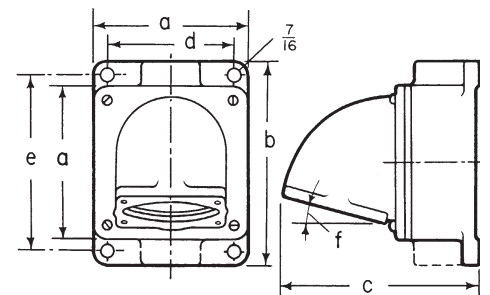
Back boxes: 30 & 60A only

Part number	Rating	Hub Size	A	B
CEE13	30A	½"	1.8440	0.6875
CEE23	30A	¾"	1.8440	0.8125
CEE33	30A	1"	1.9690	0.9375
CEE36	60A	1"	2.5625	0.9375
CEE46	60A	1-¼"	2.6250	1.1875
CEE56	60A	1-½"	2.6875	1.3125



Back boxes with 60, 100, 150 & 200A angle adapters

Part number	Rating	Hub Size	A	B	C	D	E	F
CJA310	60, 100, 150A	1"	5.8750	8.0000	7.4375	4.8750	7.0000	15°
CJA410	60, 100, 150A	1-¼"	5.8750	8.0000	7.4375	4.8750	7.0000	15°
CJA510	60, 100, 150A	1-½"	5.8750	8.0000	7.4375	4.8750	7.0000	15°
CJA610	60, 100, 150A	2"	5.8750	8.0000	8.0000	4.8750	7.0000	15°
CJA520	200A	1-½"	8.0000	10.7500	9.8750	6.7500	9.5000	45°
CJA620	200A	2"	8.0000	10.7500	9.8750	6.7500	9.5000	45°
CJA720	200A	2-½"	8.0000	10.7500	9.8750	6.7500	9.5000	45°
CJAC720	200A	2-½"	8.0000	10.7500	9.8750	6.7500	9.5000	45°

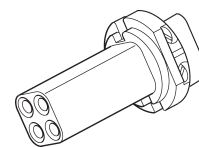


- Back boxes are standard with Corro-Free™ epoxy powder coat finish for increased corrosion resistance
- Through feed back boxes are furnished with one close-up plug in bottom recessed hub
- CJA back boxes are recommended when additional wiring space is required
- The angle adapter on CJA back boxes can be installed at 90° rotations, making it possible to enter hub from several directions

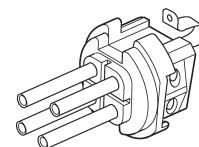
Replacement parts

Standard replacement parts

Complete insulator assembly		30A	60A	100A	150A	200A
2W2P	CDR-CRC	CRI-3022	CRI-6022	CRI-1022	—	—
	CCP	CPI-3022	CPI-6022	CPI-1022	—	—
2W3P	CDR-CRC	CRI-3023	CRI-6023	CRI-1023	—	CRI-20023
	CCP	CPI-3023	CPI-6023	CPI-1023	—	CPI-20023
3W3P	CDR-CRC	CRI-3033	CRI-6033	CRI-1033	—	CRI-20033
	CCP	CPI-3033	CPI-6033	CPI-1033	—	CPI-20033
3W4P	CDR-CRC	CRI-3034	CRI-6034	CRI-1034	CRI-15034	CRI-20034
	CCP	CPI-3034	CPI-6034	CPI-1034	CPI-15034	CPI-20034
4W4P	CDR-CRC	CRI-3044	CRI-6044	CRI-1044	CRI-15044	CRI-20044
	CCP	CPI-3044	CPI-6044	CPI-1044	CPI-15044	CPI-20044



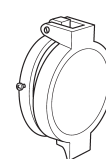
CRI receptacle & connector interior



CPI plug interior

Miscellaneous replacement parts

Amperage	Configuration	CDR spring cover	CDR threaded cover	CCP fastening ring	Bushing kits
30	2, 3 & 4 pole	PTSC30	PTTC30	CLMPR30	PTGB30
60	2, 3 & 4 pole	PTSC60A	PTTC60A	CLMPR23P60	PTGB60
		PTSC60B	PTTC60B	CLMPR4P60	
100	2, 3 & 4 pole	PTSC100A	PTTC100A	CLMPR23P100	PTGBCD
		PTSC100B	PTTC100B	CLMPR4P100	
150	4 pole	PTSC150B	PTTC150B	CLMPR4P150	PTGBCD (CD size)
					PTGBDE (DE size)



Spring cover



Threaded cover



Bushing kit

Amperage	Configuration	CDR spring cover	Brass retaining ring	Plug contact	Plug ground contact	Receptacle contact	Receptacle ground contact	Bushing kit
200A	3 pole	PTLC200	PTBR2003	PTPC200	PTPC200G	PTRC200	PTRC200G	PTGB200CD (CD size)
	4 pole		PTBR2004					PTGB200E (E size)