

# Powertite™ Series Pin and Sleeve Plugs, Connectors and Receptacles

## NEC/CEC:

Listed for Ordinary (Unclassified) Locations  
NEMA 3, 4, 4X

PLUGS AND RECEPTACLES: NEC/CEC ORDINARY LOCATION

APPLETON™

## Applications

- Designed to supply power to portable or fixed electrical equipment such as motor generator units, welders, pumps, compressors, cellular relay stations, SCR/VFD houses, and similar equipment.
- Ideal for use in "ship to shore" and backup/temporary power applications.
- Suitable for use in locations where a weatherproof enclosure is required.
- Rough usage construction.

## Features

- Available in 30, 60, 100, 150, 200, and 400 Amp units.
- Available in two grounding styles: Style 1 (shell only) and Style 2 (shell and extra pole).
- Neoprene bushing compressed by cable collar prevents entrance of water. Bushing is highly resistant to hydrocarbon deterioration and is self-extinguishing.
- Locking screw and slot prevents plug cable collar from "backing off."
- Contacts exert constant pressure along entire contact surface and provide electrical continuity.
- Ambient temperature range of -25 °C to +40 °C (-13 °F to +104 °F).
- Insulating blocks provide greatest dielectric and mechanical strength and lowest arc tracking.
- Positive polarization: only plugs and receptacles of same style, number of poles and ampere rating can be used together.
- Circuit breaking: in 30, 60, 100, 150 and 200 Amp units, any arcing created as line and load terminals disengage is safely confined deep within terminal cavities. Plugs may be withdrawn in an emergency under full rated loads without separate disconnect switches (400 Amp plug is for disconnecting use only; not for current rupturing).
- 30, 60, 100, and 150 Amp Powertite™ plugs also suitable for classified locations when used with Appleton EBR, EBRH, JBR, MD2SR, or DBR explosionproof interlocking receptacles.
- Controlled length contacts ensure that ground makes first and breaks last for added safety.
- Intermatability ①: Intermateable with Crouse-Hinds † Arktite® and Powermate™, and Killark ‡ Versamate®.

## Standard Materials

- Plug, receptacle, connector and mounting box housings: copperfree (4/10 of 1% max.) aluminum
- Insulating blocks: glass filled polyester

## Standard Finishes

- Aluminum plug, receptacle, connector and mounting box housings: epoxy powder coat
- Insulating blocks and contacts: natural finish



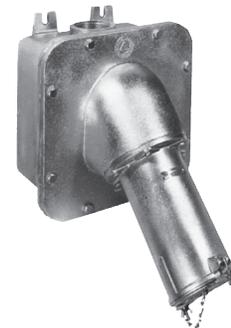
30 and 60 Amp



100 and 150 Amp



200 Amp



400 Amp

## Options

- See Illustrated Options section for details.
- Standard Service, Reverse Service (Generator Application), and Special Polarization.
- Lock Collar accessory to secure plug and connector connections from unauthorized intentional disconnection.
- NEMA 4X Cap accessory for plugs to protect insulation and plug contacts from moisture, dirt, dust and corrosion when not in use.

## NEC/CEC Certifications and Compliances

- UL Standard: UL 1682, UL 1686, UL 50E
- UL Listed: E145916, E145917
- cULus Listed: E145917 (200 Amp)
- CSA Standard: C22.2 No. 182.1-13
- CSA Certified: 065179
- NEMA 4X (30, 60, 100, 150, and 200 Amp)
- NEMA Configuration: FB11

## Related Products

- For classified location plugs and receptacles, see *Plugs and Receptacles: Hazardous Location*.

① Appleton Powertite series 30 through 100 Amps is UL Classified for use in specific combinations with Crouse-Hinds Arktite®. Killark Versamate® series UL Classified for use with Appleton Powertite series 30 through 200 Amps.

† Arktite is a registered trademark of Cooper Crouse-Hinds.

‡ Versamate is a registered trademark of Hubble Killark.

# Powerlite™ 200 and 400 Amp Pin and Sleeve Connectors and Plugs

Mounting Boxes and Replacement Interiors. 600 Vac, 250 Vdc, 50-400 Hz.

NEC/CEC — 200 Amp:  
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NEC/CEC — 400 Amp:  
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NEMA 4 — Optional

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## 200 Amp Mounting Boxes and Angle Adapter



Hub Size (Inches)	AJB	AJA	AJA200 (Angle Adapter Only)
1-1/2 NPT	—	AJA520	AJA200
2 NPT	AJB620	AJA620	AJA200
2-1/2 NPT	—	AJA720	AJA200
2-3/8 (Slip Hole)	AJB238	—	—

## 400 Amp Mounting Box and Angle Adapter



Hub Size (Inches)	AJAC ①	AJA400 (Angle Adapter Only)
4	AJAC400	AJA400

## 200 Amp Interiors ②③



Grounding Style	Wire/Pole	Receptacle	Plug	Receptacle	Plug
Style 1 (Shell Only)	3W, 3P	ARI20033-B	API20033-B	—	—
	4W, 4P	ARI20044-B	API20044-B	—	—
Style 2 (Shell and Extra Pole)	2W, 3P	—	—	ARI20023-B	API20023-B
	3W, 4P	—	—	ARI20034-B	API20034-B

## 400 Amp Interiors ③



Wire Recess Dia. (Inches)	Grounding Style	Wire/Pole	Receptacle	Plug	Receptacle	Plug
.84	Style 1 (Shell Only)	3W, 3P	ARI40033	API40033	—	—
		4W, 4P	ARI40044	API40044	—	—
	Style 2 (Shell and Extra Pole)	2W, 3P	—	—	ARI40023	API40023
		3W, 4P	—	—	ARI40034	API40034
1.25	Style 1 (Shell Only)	3W, 3P	ARI40133	API40133	—	—
		4W, 4P	ARI40144	API40144	—	—
	Style 2 (Shell and Extra Pole)	2W, 3P	—	—	ARI40123	API40123
		3W, 4P	—	—	ARI40134	API40134

① Has feed-thru 4" tapped openings. Supplied with one 4" to 3" reducer and one 4" close-up plug.

② 200 Amp replacement interiors ending with -B correspond to Model B version and those without -B correspond to original version. Model B Interiors ARE NOT backwards compatible with original version.

③ Pins and sleeves are not sold separately.

# Powertite™ 200 Amp Connector, Plug and Adapter

600 Vac, 250 Vdc, 50-400 Hz.

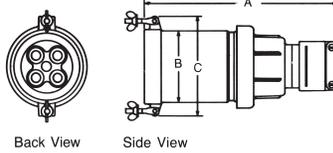
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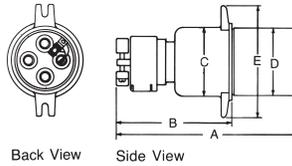
## Dimensions in Millimeters (Inches)

### Connector Body



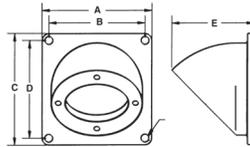
No. Poles	Dimensions in Millimeters (Inches)		
	A	B	C
3	330.2 (13.00)	106.4 (4.19)	136.6 (5.38)
4	330.2 (13.00)	115.8 (4.56)	146.0 (5.75)

### Plug



No. Poles	Dimensions in Millimeters (Inches)				
	A	B	C	D	E
3	327.7 (12.9)	223.5 (8.8)	96.5 (3.8)	96.5 (3.8)	162.6 (6.4)
4	327.7 (12.9)	223.5 (8.8)	106.7 (4.2)	104.1 (4.1)	172.7 (6.8)

### AJA200 Angle Adapter



Dimensions in Millimeters (Inches)				
A	B	C	D	E
203.2 (8.0)	177.8 (7.0)	203.2 (8.0)	177.8 (7.0)	152.4 (6.0)