

Powerlite™ 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 Plugs may be withdrawn in an emergency under full rated loads without separate disconnect switches (400 Amp plug is for disconnecting use only; not for current rupturing).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 Powerlite™ 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

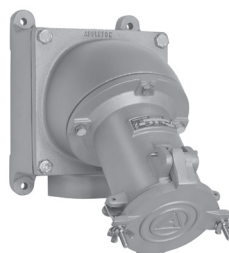
- Aluminum plug, receptacle, connector and mounting box housings: epoxy powder coat
- Insulating blocks and contacts: natural finish



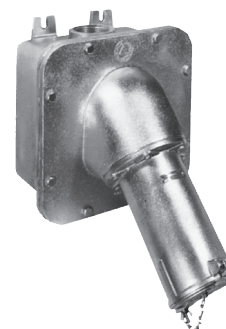
30 and 60 Amp



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 Powerlite 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 Powerlite series 30 through 200 Amps.

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

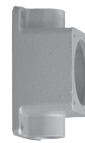
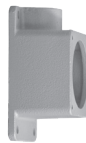
⚡ Versamate is a registered trademark of Hubble Killark.

Aluminum Mounting Boxes

For Powertite™ 30, 60, 100, and 150 Amp Receptacles

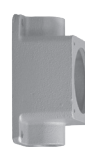
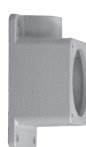
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30 Amp



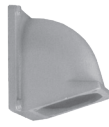
Hub Size (Inches)	AEE	AERH	AERC	AERA
1/2	AEE13	AERH13	AERC13	AERA13
3/4	AEE23	AERH23	AERC23	AERA23
1	AEE33	AERH33	AERC33	AERA33

60 and 100 Amp



Hub Size (Inches)	AEE	AERH	AERC	AERA
1	AEE36	AERH36	AERC36	AERA36
1-1/4	AEE46	AERH46	AERC46	AERA46
1-1/2	AEE56	AERH56	AERC56	AERA56

60, 100, and 150 Amp



Hub Size (Inches)	AJA Back Box and Adapter ①	Angle Adapter Only
1	AJA310	
1-1/4	AJA410	
1-1/2	AJA510	AJA100
2	AJA610	

Replacement Receptacle Mounting Gasket

Amp	Back Box Type	Part Number
30	AEE, AERH, AERC, AERA	69060871000
60, 100	AEE, AERH, AERC, AERA	69060567000
60, 100, 150	AJA	69009497000

① Feed-Thru box furnished with one close-up plug in bottom recessed hub.

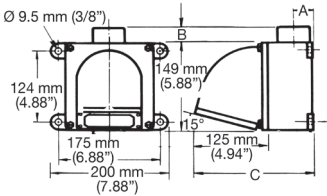
Powerlite™ 30, 60, 100, and 150 Amp Mounting Box

600 Vac, 250 Vdc, 50-400 Hz

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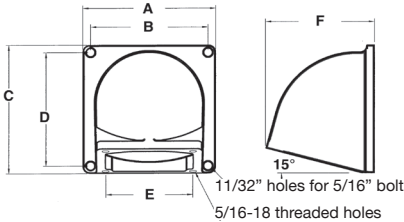
Dimensions in Millimeters (Inches)

AJA Mounting Boxes



		Dimensions in Millimeters (Inches)		
Amp	Hub Size (Inches)	A	B ①	C
60, 100 and 150	1	28.7 (1.13)	14.2 (0.56)	203.2 (8.0)
	1-1/4	28.7 (1.13)	14.2 (0.56)	203.2 (8.0)
	1-1/2	38.1 (1.50)	14.2 (0.56)	203.2 (8.0)
	2	38.1 (1.50)	14.2 (0.56)	203.2 (8.0)

AJA100 Angle Adapter



Dimensions in Millimeters (Inches)					
A	B	C	D	E	F
149.0 (5.87)	131.5 (5.18)	149.0 (5.87)	131.5 (5.18)	88.9 (3.50)	122.1 (4.81)

① AJA has two hubs. Close-up plug furnished in bottom recessed hub.