

# AE Series Pin and Sleeve Plugs, Connectors and Receptacles

## Weatherproof

600 Vac, 250 Vdc. Pressure Wire Terminals.

### NEC:

Rated for Ordinary (Unclassified) Locations

### Applications

- Designed to supply power to portable or fixed electrical equipment such as:
  - Welders
  - Generators
  - Compressors
  - Pumps
  - Similar apparatus
- Suitable for use in locations where a weatherproof enclosure is required such as:
  - Shipping docks
  - Ports
  - Ship to shore applications

### Features

- Available in 30, 60, and 100 Amp units.
- Contacts exert constant pressure along the entire contact surface, providing electrical continuity. Solid brass contacts with beryllium copper springs.
- Choice of receptacle types: weatherproof spring door or raintight screw cap.
- Plug with clamp ring has neoprene gasket. Ring threads onto screw cap receptacle to provide raintight assembly when properly tightened.
- Cable clamps prevent strain on cables and allow easy cable replacement.
- Mounting box gasket protects receptacle from moisture.
- Insulating blocks provide high degree of dielectric and mechanical strength and lowest moisture absorption, lowest arc tracking.
- Choice of several mounting boxes permits different types of installations.
- Floating-type plug contacts self-align to receptacle contacts.
- Available in two grounding styles: Style 1 (shell only) and Style 2 (shell and extra pole).
- Grounding detent springs in Style 1 and Style 2.
- Grounding strap provided in Style 2 permits extra pole grounding.
- Longer ground contact in Style 2 "makes first and breaks last."

### Standard Materials

- Plug, connector, receptacle and mounting box housings: copperfree (4/10 of 1% max.) aluminum
- Insulating blocks: fiber glass reinforced phenolic
- Contacts: brass

### Standard Finishes

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

### Options

- Reverse Service: useful where a "hot" plug feeds a dead receptacle. Reverse service is often used for generator applications where the receptacle houses a dead plug interior. Plug houses an energized receptacle interior, which has recessed male contacts to reduce danger of accidental touching. Suffix **-RS** to receptacle or connector.

### NEC Compliances

- UL Standard: UL 1682, UL 1686



# AE Series 30 Amp Pin and Sleeve Receptacles Connectors and Plugs

## Weatherproof

600 Vac, 250 Vdc. Pressure Wire Terminals. Wire Size Range: #14—#8

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Grounding Style	Wire/Pole	Spring Door Receptacle Only	Screw Cap Receptacle Only	Connector Body Only	Clamping Ring Plug	Plug Cable Dia. (Inches)
Style 1 (Shell Only)	2W, 2P	<b>AE321</b>	<b>AE327</b>	<b>APR3251</b>	<b>AEP3251</b>	.625 to .750
	3W, 3P	<b>AE331</b>	<b>AE337</b>	<b>APR3351</b>	<b>AEP3351</b>	.625 to .750
	4W, 4P	<b>AE341</b>	<b>AE347</b>	<b>APR3451</b>	<b>AEP3451</b>	.625 to .750
Style 2 (Shell and Extra Pole)	2W, 3P	<b>AE332</b>	<b>AE338</b>	<b>APR3361</b>	<b>AEP3361</b>	.625 to .750
	3W, 4P	<b>AE342</b>	<b>AE348</b>	<b>APR3461</b>	<b>AEP3461</b>	.625 to .750

### AE Series Mounting Boxes



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

### 30 Amp Interiors ①



Grounding Style	Wire/Pole	Interior Style 1		Interior Style 2	
		Receptacle	Plug	Receptacle	Plug
Style 1 (Shell Only)	2W, 2P	<b>AEI-321</b>	<b>AEPI-321</b>	—	—
	3W, 3P	<b>AEI-331</b>	<b>AEPI-331</b>	—	—
	4W, 4P	<b>AEI-341</b>	<b>AEPI-341</b>	—	—
Style 2 (Shell and Extra Pole)	2W, 3P	—	—	<b>AEI-332</b>	<b>AEPI-332</b>
	3W, 4P	—	—	<b>AEI-342</b>	<b>AEPI-342</b>

① Pins and sleeves are not sold separately. Must purchase as a replacement interior.

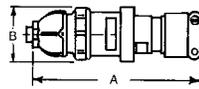
# AE Series 30, 60, and 100 Amp Connector, Plug and Mounting Box

## Pin and Sleeve Plugs, Connectors and Receptacles

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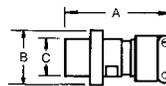
### Dimensions in Millimeters (Inches)

#### APC Cable Connector



Amp	Dimensions in Millimeters (Inches)	
	A	B
30	234.9 (9.25)	74.6 (2.94)
60	304.8 (12.00)	93.7 (3.69)
100	355.6 (14.00)	104.9 (4.13)

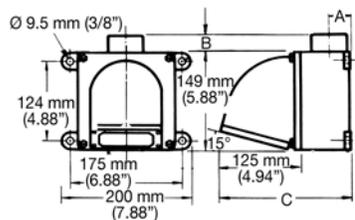
#### AEP Plug



Clamping Ring

Amp	Dimensions in Millimeters (Inches)		
	A	B	C
30	152.4 (6.00)	81.0 (3.19)	54.8 (2.16)
60	152.4 (6.00)	81.0 (3.19)	54.8 (2.16)
100	227.0 (8.94)	107.9 (4.25)	79.5 (3.13)

#### AJAC and AJA Mounting Boxes ①



Amp	Hub Size (Inches)	Dimensions in Millimeters (Inches)		
		A	B ①	C
60 and 100	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)

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