

# 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
- Insulation 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

# AE Series 60 Amp Pin and Sleeve Receptacles Connectors and Plugs

## Weatherproof

600 Vac, 250 Vdc. Pressure Wire Terminals. Wire Size Range: #8—#4

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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	AE621	AE627	APR6252	AEP6252	1.000 to 1.312
	3W, 3P	AE631	AE637	APR6352	AEP6352	1.000 to 1.312
	4W, 4P	AE641	AE647	APR6452	AEP6452	1.000 to 1.312
Style 2 (Shell and Extra Pole)	2W, 3P	AE632	AE638	APR6362	AEP6362	1.000 to 1.312
	3W, 4P	AE642	AE648	APR6462	AEP6462	1.000 to 1.312

## AE Series Mounting Boxes



Hub Size (Inches)	AEE	AERH	AERC	AERA	AJA ①	AJA Adapter
1	AEE36	AERH36	AERC36	AERA36	AJA310	AJA100
1-1/4	AEE46	AERH46	AERC46	AERA46	AJA410	AJA100
1-1/2	AEE56	AERH56	AERC56	AERA56	AJA510	AJA100
2	—	—	—	—	AJA610	AJA100

## 60 Amp Interiors ②



Grounding Style	Wire/Pole	Interior Style 1		Interior Style 2	
		Receptacle	Plug	Receptacle	Plug
Style 1 (Shell Only)	2W, 2P	AEI-621	AEPI-621	—	—
	3W, 3P	AEI-631	AEPI-631	—	—
	4W, 4P	AEI-641	AEPI-641	—	—
Style 2 (Shell and Extra Pole)	2W, 3P	—	—	AEI-632	AEPI-632
	3W, 4P	—	—	AEI-642	AEPI-642

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

② Pins and sleeves are not sold separately. Must purchase as a replacement interior.