

# Powertite® 30 Amp Pin and Sleeve Plugs and Receptacles

600 Vac, 250 Vdc, 50-400 Hz

Pressure Wire Terminals – Wire Recess Diameter: .281". Wire Size Range: #10—#6 Building; #10—#8 Extra Flex.

NEMA 3, 3R, 4, 4X



Plugs and Receptacles

PLUGS AND RECEPTACLES: ORDINARY LOCATION

Grounding Style	Wire/Pole	Receptacle with AEE Mounting Box *	Hub Size (Inches)	Receptacle Only †	Metallic Clamping Ring Plug ‡	Nonmetallic Clamping Ring Plug ‡	Plug Cable Dia. (Inches)
Style 1 (Shell Only)	2W, 2P	ADRE3022-50	1/2	ADR3022	ACP3022BC	—	.500 to 1.250
		ADRE3022-75	3/4				
	3W, 3P	ADRE3033-75	3/4	ADR3033	ACP3033BC	—	.500 to 1.250
		ADRE3033-100	1				
		4W, 4P	ADRE3044-75				
ADRE3044-100	1						
Style 2 (Shell and Extra Pole)	2W, 3P	ADRE3023-75	3/4	ADR3023	ACP3023BC	—	.500 to 1.250
		ADRE3023-100	1				
	3W, 4P	ADRE3034-75	3/4	ADR3034	ACP3034BC	NMACP3034BC	.500 to 1.250
		ADRE3034-100	1				

Receptacles are provided with spring door and screw cap.  
For Reverse Service, add suffix **-RS** to Catalog Number.  
For Special Polarization, add suffix **-P4** to Catalog Number.

## Horsepower Ratings for Emergency Disconnect Under Load

Plug may be withdrawn in an emergency if within these maximum HP ratings. Not for normal starting and stopping.

Phase Motor	Wire/Pole	Motor Horsepower			
		120 Vac	240 Vac	480 Vac	600 Vac
1-Phase	2W, 2P or 2W, 3P	2HP	3HP	10HP	10HP
3-Phase	3W, 3P; 3W, 4P; or 4W, 4P	3HP	7-1/2HP	15HP	20HP

\* For additional mounting boxes, see Aluminum Mounting Boxes.

‡ Plug and receptacle combination is NEMA 4X rated when clamping ring is fully tightened on receptacle.

† Receptacle is NEMA 4X rated when screw cap is closed when the receptacle is not in use.

# Powertite® 30 Amp Pin and Sleeve Connectors and Plugs

600 Vac, 250 Vdc, 50-400 Hz

Pressure Wire Terminals – Wire Recess Diameter: .281". Wire Size Range: #10—#6 Building; #10—#8 Extra Flex.

NEMA 3, 3R, 4, 4X



Grounding Style	Wire/Pole	Connector Body Only	Metallic Clamping Ring Plug ‡	Connector/Plug Cable Dia. (Inches)
Style 1 (Shell Only)	2W, 2P	ARC3022BC	ACP3022BC	.500 to 1.250
	3W, 3P	ARC3033BC	ACP3033BC	.500 to 1.250
	4W, 4P	ARC3044BC	ACP3044BC	.500 to 1.250
Style 2 (Shell and Extra Pole)	2W, 3P	ARC3023BC	ACP3023BC	.500 to 1.250
	3W, 4P	ARC3034BC	ACP3034BC	.500 to 1.250

For Reverse Service, add suffix **-RS** to Catalog Number.

For Special Polarization, add suffix **-P4** to Catalog Number.

## Pin and Sleeve Design



**Energized contacts** deeply recessed to reduce danger of accidental touching, minimize possibility of exposed arcs. Insulator quenches arcing, and is resistant to abnormal heat and to fire.

**Plug mechanical cable clamps** provide strain relief conductor connections, allow easy cable replacement.

**Pressure wire terminals** allow cable to be readily replaced when necessary. Terminal screws grip conductors firmly. Spring contacts provide constant pressure.

‡ Plug and connector body combination is NEMA 4X rated when clamping ring is fully tightened on connector body.