

# Powertite® 100 and 150 Amp Pin and Sleeve Connectors and Plugs

600 Vac, 250 Vdc, 50-400 Hz

Pressure Wire Terminals – 100 Amp: Wire Recess Diameter: .391". Wire Size Range: #4—#1 Building; #4—#2 Extra Flex.

150 Amp: Wire Recess Diameter: .525". Wire Size Range: #2—2/0 Building; #2—#2/0 Extra Flex.

NEMA 3, 3R, 4, 4X



Plugs and Receptacles

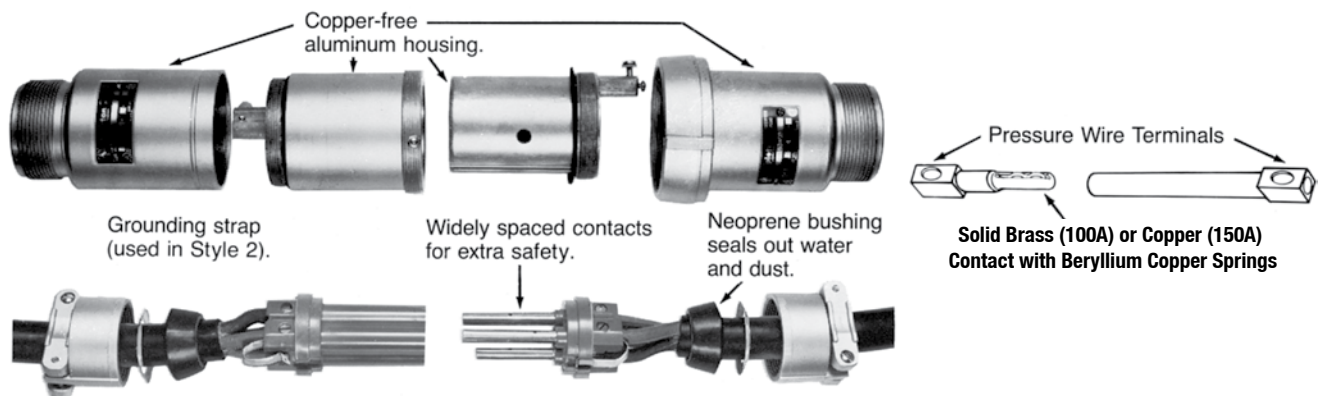
PLUGS AND RECEPTACLES: ORDINARY LOCATION

| Grounding Style                        | Wire/Pole | Connector Body Only | Clamping Ring Plug ‡ | Connector/Plug Cable Dia. (Inches) |
|----------------------------------------|-----------|---------------------|----------------------|------------------------------------|
| 100 Amp Style 1 (Shell Only)           | 2W, 2P    | ARC1022CD           | ACP1022CD            | .875 to 1.906                      |
|                                        | 3W, 3P    | ARC1033CD           | ACP1033CD            | .875 to 1.906                      |
|                                        | 4W, 4P    | ARC1044CD           | ACP1044CD            | .875 to 1.906                      |
| 100 Amp Style 2 (Shell and Extra Pole) | 2W, 3P    | ARC1023CD           | ACP1023CD            | .875 to 1.906                      |
|                                        | 3W, 4P    | ARC1034CD           | ACP1034CD            | .875 to 1.906                      |
| 150 Amp Style 2 (Shell and Extra Pole) | 3W, 4P    | ARC15034CD          | ACP15034CD           | .875 to 1.906                      |
|                                        | 3W, 4P    | ARC15034DE          | ACP15034DE           | 1.250 to 2.187                     |

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.

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

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

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