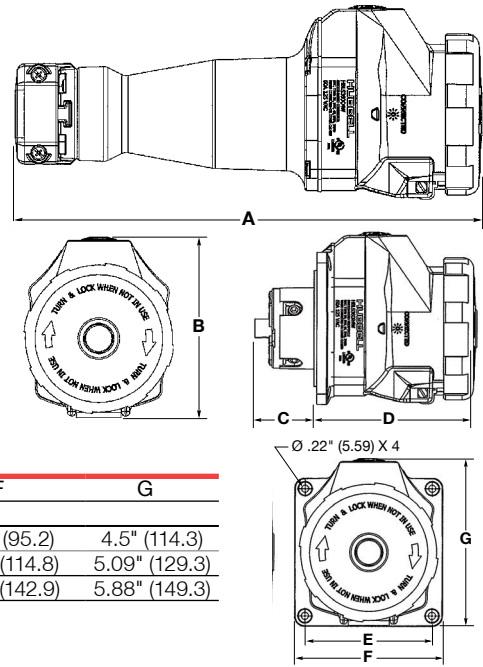


Pin and Sleeve Devices/Mechanical Interlocks

Advantage Series Specifications

| | |
|------------------------------|---|
| Temperature Rise | < 30°C |
| Dielectric Voltage | Min 2,200V AC |
| Electrical Life | Min 6,000 Cycles at rated switch load (p.f.= .75-.80) |
| Max Working Voltage | 600V AC |
| Current Interrupting | Certified for current interrupting at full rated current and voltage |
| Horsepower Locked Rotor Test | 50 Operations at 600% of full load motor current (p.f.= .40-.50) |
| Short Circuit | 100kA when protected by Class J fuse. Also 125A RK1 fuse for 100A devices only |
| Endurance | Min 10,000 mating cycles |
| Flammability | V-0 |
| Operating Temperature | Max Continuous +75°C; Min continuous -40°C |
| Environmental | Type 4X, 12 and IP69k |
| UV Resistance | All materials are UV stabilized |



Dimensions

| Description | Connector | | Receptacle | | | | |
|-------------|----------------|---------------|--------------|---------------|---------------|---------------|---------------|
| | A | B | C | D | E | F | G |
| 30A | 9.9" (251.5) | 4.5" (114.3) | 1.06" (27.2) | 3.83" (97.3) | 3.13" (79.4) | 3.75" (95.2) | 4.5" (114.3) |
| 60A | 12.22" (310.4) | 5.17" (131.3) | 1.85" (47.0) | 4.77" (121.2) | 3.88" (98.6) | 4.52" (114.8) | 5.09" (129.3) |
| 100A | 15.89" (403.6) | 5.63" (142.9) | 3.08" (78.2) | 5.03" (127.6) | 4.87" (123.7) | 5.63" (142.9) | 5.88" (149.3) |

Watertight Materials

| Part | Material | Part | Material |
|-----------------------|---|-----------------------|---|
| Plug | | Inlet | |
| Housing | PBT | Housing | PBT |
| Locking Ring | PBT | Locking Ring | PBT |
| Sealing Gasket | Solid Neoprene | Mounting Flange | PBT |
| Cord Clamp | PBT | Mounting Screws | Stainless Steel (300 Series) |
| Gland Cap | PBT | Contact Carrier | High-Impact Thermoset |
| Gland | Solid Neoprene | Retainer | High-Impact Thermoset |
| Cord Clamp Screws | Stainless Steel (300 Series) | Ground, Phase Pins | Brass (M-Series - Nickel-plated brass) |
| Clamp Nut | Nickel-Plated Brass | Terminal Screws | Stainless Steel (300 Series) |
| Gland Clamp Screws | Stainless Steel (300 Series) | Assembly Screws (2) | Stainless Steel (300 Series) |
| Contact Carrier | High-Impact Thermoset | Gaskets | Solid Neoprene |
| Retainer | High-Impact Thermoset | Receptacle | |
| Ground, Phase Pins | Brass (M-Series - Nickel-plated brass) | Housing | PBT |
| Terminal Screws | Stainless Steel (300 Series) | Mounting Flange | PBT |
| Assembly Screws | Stainless Steel (300 Series) | Arm Spring | Stainless Steel (17-7 type) |
| Connector Body | | Cover Arm | PBT |
| Housing | PBT | Cover | PBT |
| Cord Clamps | PBT | Cover Screw | Nickel-plated brass |
| Glands | Solid Neoprene | Gaskets | Solid Neoprene |
| Cover Arms | PBT | Mounting Screws | Stainless Steel (300 Series) |
| Arm Springs | Stainless Steel (17-7 type) | Terminal Screws | Stainless Steel (300 Series) |
| Covers | PBT | Phase, Ground Sleeves | Brass |
| Cover Screw | Nickel-plated brass | Sleeve Spring | 20A and 30A Stainless Steel (300 Series); others are Beryllium Copper multi-contact inserts with silver plating |
| Gaskets | Solid Neoprene | | |
| Contact Carrier | High-Impact Thermoset | | |
| Retainer | High-Impact Thermoset | | |
| Phase, Ground Sleeves | Brass | | |
| Sleeve Spring | 20A and 30A Stainless Steel (300 Series); others are Beryllium Copper multi-contact inserts with silver plating | | |
| Terminal Screws | Stainless Steel (300 Series) | | |
| Assembly Screws | Stainless Steel (300 Series) | | |

Specifications

| Typical Specification | |
|-------------------------------|---|
| Manufacturer's Identification | Hubbell HBL520P9W |
| Description | Plug, Power Supply |
| Type | 3 Pole + Neutral + Earth |
| Rating | 20A, 120/208V AC, 3 Phase WYE |
| Configuration | UL 1686 C2, IEC 60309-2, Clock Position 9, Watertight |
| Certification | UL Listed, File E146032 Receptacles and Inlets, E146033 Plugs and Connectors, UL Standard UL1682 and UL 1686C2, CSA Certified File LR280C for Plugs, Connectors Inlets and LR285C for Receptacle CSA Standard C22.2 No. 182.1, UL Classified to IEC 60309-1 IEC 60309-2 |

Listed to standard UL1682/CSA C22.2 No. 182.1-02, Plugs, Receptacles and cable connectors of the Pin and Sleeve Type.

UL Classified to IEC Standards 60309-1 (Plugs, Socket Outlets, and Couplers for Industrial Purposes) for Series I (European) rated voltages and services.

When used with cord, these devices require no further investigation by UL for equipment Classification to IEC 435 or IEC 380.

PBT is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.