## Industrial Specification Grade Straight Blade Plugs & Connectors

2-Pole, 3-Wire Grounding
20A, 250V/AC
NEMA 6-20

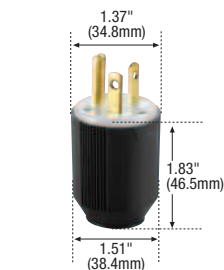**6-20P**   **6-20R**

**5466N**

1.37" (34.8mm)
1.83" (46.5mm)
1.51" (38.4mm)

**15W48**

1.59" (40.4mm)
4.00" (101.6mm)

## Industrial Grade Plugs & Connectors

### Safety Grip™ NEMA 6-20

cULus  F ULS

| Rating A | V/AC | Product Type & Cord Diameter | Color | Plug | | Connector | |
|---|---|---|---|---|---|---|---|
| 20 | 250 | Straight Body 0.33-0.66" (6.4-16.7mm) | Black & White | □ 6866 | • | □ 6869 | • |

### AutoGrip™ NEMA 6-20

cULus  F ULS

| Rating A | V/AC | Product Type & Cord Diameter | Color | Plug | | Connector | |
|---|---|---|---|---|---|---|---|
| 20 | 250 | Straight Body 0.33-0.66" (6.4-16.7mm) | Black & White | □ 5466N | • | □ 5469N | • |

### Watertight NEMA 6-20

cULus

| Rating A | V/AC | Product Type & Cord Diameter | Color | Plug | | Connector | |
|---|---|---|---|---|---|---|---|
| 20 | 250 | Straight Body 0.30-0.65" (7.6-16.5mm) | Yellow | □ 14W48 | • | □ 15W48 | • |
| | | Straight Body 0.30-0.65" (7.6-16.5mm) | Black | □ 14W48BK | • | □ 15W48BK | • |

### Severe Duty NEMA 6-20

cULus

| Rating A | V/AC | Product Type & Cord Diameter | Color | Plug | | Connector | |
|---|---|---|---|---|---|---|---|
| 20 | 250 | Straight Body 0.38-1.00" (19.1-25.4mm) | Yellow & Black | □ 1448 | • | □ 1548 | • |

### Icon Key

NAFTA Compliant - see page O-30

## Accessories for Industrial Grade NEMA 5-15 Plugs & Connectors

| Description | Catalog No. | |
|---|---|---|
| Watertight plug closure cap for 20A plug | □ 14W | • |
| Replacement watertight connector closure cap for 20A connector | □ 15W | • |
| Wire mesh grip for 20A watertight plugs & connectors, 0.30-0.50" (7.6-12.7mm) cord dia. | □ WM115 | • |
| Wire mesh grip for 20A watertight plugs & connectors, 0.50-0.62" (12.7-15.8mm) cord dia. | □ WM116 | • |

*14W*    *15W*    *WM115*    *WM116*

**Industrial Grade Dimensional Information:** *B-18*

**Specification Information:**

*Safety Grip Industrial Plugs & Connectors: B-26*

*AutoGrip Industrial Plugs & Connectors: B-26*

*Watertight Industrial Plugs & Connectors: B-28*

*Severe Duty Industrial Plugs & Connectors: B-29*

## Industrial Specification Grade Plugs & Connectors

2-Pole, 3-Wire Grounding
3-Pole, 3-Wire Non-Grounding
4-Pole, 4-Wire Non-Grounding

| | Device Type | Industrial Grade Safety Grip™ Plugs & Connectors, Straight Blade | Industrial Grade AutoGrip™ Plugs & Connectors, Straight Blade | Industrial Grade QuickGrip™ Plugs & Connectors, Straight Blade |
|---|---|---|---|---|
| | Wiring Type | Back wire | Back wire | Back wire |
| | Testing & Code Compliance | • cULus listed to UL 498, file no. E3663<br>• Complies with Federal Spec. WC-596F<br>• CSA certified to C22.2, no. 42-99 file no. 7087 (6221-02)<br>• 7251N: NOM certified | • Listed to UL 498, file no. E3663<br>• UL verified to Fed Spec WC-596F except cat. no. 5266AN<br>• CSA certified to C22.2, no. 42-99 file no. 2081 (6221-02) | • cULus listed to UL 498, file no. E146159<br>• UL verified to Federal Spec. WC-596F |
| Specifications: Environmental | Flammability | Meets UL94 requirements, V2 rated | Meets UL94 requirements, V2 rated | Meets UL94 requirements, V2 rated |
| Specifications: Environmental | Temperature Rating | -40ºC to 75ºC (-40ºF to 167ºF) | -40ºC to 75ºC (-40ºF to 167ºF) | -40ºC to 75ºC (-40ºF to 167ºF) |
| Specifications: Electrical | Dielectric Voltage | Withstands 1500V per UL 498, except 6260 & 6760 Series: 1250V, 7624N: 1554V, 7251N: 4160V | Withstands 1500V per UL 498 | Withstands 1500V per UL 498 |
| Specifications: Electrical | Current Interrupting | Yes, at full-rated current | Yes, at full-rated current | Yes, at full-rated current |
| Specifications: Electrical | Temperature Rise | Max. 30ºC (86ºF) after 200 cycles of overload @ 200% of rated current (DC) | Max. 30ºC (86ºF) after 50 cycles of overload @ 150% of rated current (DC) | Max. 30ºC (86ºF) after 50 cycles of overload @ 150% of rated current (DC) |
| Specifications: Mechanical | Terminal Accommodation | #16 - #12 AWG, except 7624N, 9151N, 7251N: #18 - #10 AWG | #18 - #12 AWG | #18 - #12 AWG |
| Specifications: Mechanical | Voltage Ratings | Permanently marked on device | Permanently marked on device | Permanently marked on device |
| Materials: | Plug/Connector Outer Shell | Nylon | Nylon | Nylon |
| Materials: | Interior Body | Nylon | Nylon | Nylon |
| Materials: | Terminal Retainer | Polycarbonate | Polycarbonate | N/A |
| Materials: | Blades | 0.065" thick brass | 0.065" thick brass | 0.060" thick brass |
| Materials: | Line Contacts | 0.031" thick brass | 0.031" thick brass | 0.032" thick brass |
| Materials: | Terminal Clamps | Steel, zinc plated | Steel, zinc plated | Brass |
| Materials: | Terminal Screws | #8-32 brass, nickel plated | #8-32 brass, nickel plated | Steel, brass plated (hot) and zinc plated (neutral) |
| Materials: | Ground Contact | 0.041" thick brass | 0.041" thick bronze | N/A |
| Materials: | Ground Screw | #8-32 brass, zinc plated, green | #8-32 brass, green | Steel, zinc plated, green |
| Materials: | Assembly/ Mounting Screws | Steel, zinc plated | Steel, zinc plated | Steel, zinc plated |
| Materials: | Cord Clamp | Nylon | Polypropylene | Nylon |
| Materials: | Cord Clamp Screws | Steel, zinc plated | N/A | N/A |
| Materials: | Gasket/Dust Shield | Neoprene | Neoprene | N/A |