

Industrial Specification Grade Straight Blade Plugs & Connectors

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



6-20P



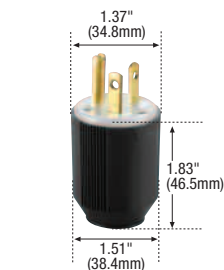
6-20R

Industrial Grade Plugs & Connectors

Safety Grip™ NEMA 6-20



Rating A	V/AC	Product Type & Cord Diameter	Color	Plug	Catalog No.	Connector
20	250	Straight Body 0.33-0.66" (6.4-16.7mm)	Black & White	☐ 6866	☒ 6866	☐ 6869



5466N

AutoGrip™ NEMA 6-20



Rating A	V/AC	Product Type & Cord Diameter	Color	Plug	Catalog No.	Connector
20	250	Straight Body 0.33-0.66" (6.4-16.7mm)	Black & White	☐ 5466N	☒ 5466N	☐ 5469N

Watertight NEMA 6-20



Rating A	V/AC	Product Type & Cord Diameter	Color	Plug	Catalog No.	Connector
20	250	Straight Body 0.30-0.65" (7.6-16.5mm)	Yellow	☐ 14W48	☒ 14W48	☐ 15W48
		Straight Body 0.30-0.65" (7.6-16.5mm)	Black	☐ 14W48BK	☒ 14W48BK	☐ 15W48BK



15W48

Severe Duty NEMA 6-20



Rating A	V/AC	Product Type & Cord Diameter	Color	Plug	Catalog No.	Connector
20	250	Straight Body 0.38-1.00" (19.1-25.4mm)	Yellow & Black	☐ 1448	☒ 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

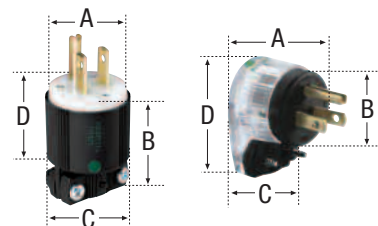
AutoGrip Industrial Plugs &
Connectors: B-26

Watertight Industrial Plugs &
Connectors: B-28

Severe Duty Industrial
Plugs & Connectors: B-29

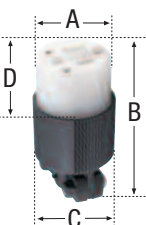
Straight Blade Plugs & Connectors

Safety Grip™ Plugs



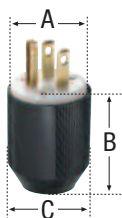
Family	A	B	C	D	Cord Dia.
Hospital Grade	1.37" (34.8mm)	2.06" (52.3mm)	1.50" (38.1mm)	1.44" (36.6mm)	0.33-0.66" (7.6-16.7mm)
Hospital Grade Angled	1.46" (37.1mm)	1.50" (38.1mm)	1.28" (32.5mm)	2.06" (52.3mm)	0.33-0.66" (7.6-16.7mm)
Industrial Grade	1.37" (34.8mm)	2.06" (52.3mm)	1.50" (38.1mm)	1.44" (36.6mm)	0.33-0.66" (6.4-16.7mm)
Industrial Grade Angled	1.28" (32.5mm)	1.46" (37.1mm)	1.50" (38.1mm)	2.06" (52.3mm)	0.33-0.66" (7.6-16.7mm)
Industrial Grade NEMA 7-20, 10-20 & 18-20	1.78" (45.2mm)	2.34" (59.4mm)	2.13" (54.1mm)	–	0.38-1.00" (9.5-25.4mm)

Safety Grip™ Connectors



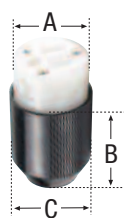
Family	A	B	C	D	Cord Dia.
Hospital Grade	1.37" (34.8mm)	2.77" (70.4mm)	1.50" (38.1mm)	0.87" (22.1mm)	0.33-0.66" (7.6-16.7mm)
Industrial Grade	1.37" (34.8mm)	2.77" (70.4mm)	1.50" (38.1mm)	0.87" (22.1mm)	0.33-0.66" (6.4-16.7mm)

Auto Grip™ Plugs



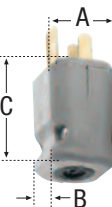
Family	A	B	C	Cord Dia.
Hospital Grade	1.38" (34.9mm)	1.83" (46.5mm)	1.52" (38.6mm)	0.33-0.66" (7.6-16.7mm)
Industrial Grade	1.37" (34.8mm)	1.83" (46.5mm)	1.51" (38.4mm)	0.33-0.66" (6.4-16.7mm)

Auto Grip™ Connectors



Family	A	B	C	Cord Dia.
Hospital Grade	1.38" (34.9mm)	1.83" (46.5mm)	1.52" (38.6mm)	0.33-0.66" (7.6-16.7mm)
Industrial Grade	1.37" (34.8mm)	1.83" (46.5mm)	1.51" (38.4mm)	0.33-0.66" (6.4-16.7mm)

QuickGrip™ Plugs



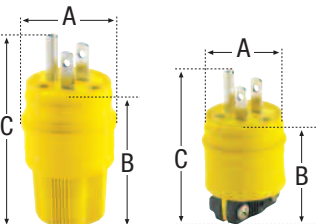
Family	A	B	C	Cord Dia.
Hospital Grade	1.22" (31.0mm)	1.34" (34.0mm)	1.81" (46.0mm)	0.22-0.66" (5.6-16.7mm)
Industrial Grade	1.22" (31.0mm)	1.34" (34.0mm)	1.81" (46.0mm)	0.23-0.72" (5.8-18.3mm)

QuickGrip™ Connectors



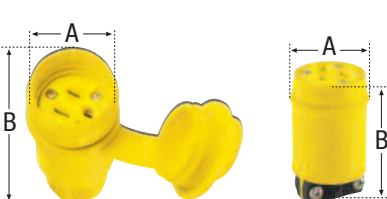
Family	A	B	C	Cord Dia.
Industrial Grade	1.34" (34.0mm)	1.25" (31.8mm)	2.66" (67.6mm)	0.23-0.72" (5.8-18.3mm)

Watertight & Severe Duty Plugs



Family	A	B	C	Cord Dia.
Watertight	1.81" (46.0mm)	2.56" (65.1mm)	3.44" (87.3mm)	0.30-0.65" (7.6-16.5mm)
Severe Duty	1.69" (42.9mm)	2.10" (53.3mm)	2.09" (53.1mm)	0.38-1.00" (9.7-25.4mm)

Watertight & Severe Duty Connectors



Family	A	B	Cord Dia.
Watertight	1.59" (40.5mm)	4.00" (101.6mm)	0.30-0.65" (7.6-16.5mm)
Severe Duty	1.69" (42.9mm)	2.78" (70.6mm)	0.38-1.00" (9.7-25.4mm)

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	• Listed to UL 498, file no. E3663	• cULus listed to UL 498, file no. E146159
		• Complies with Federal Spec. WC-596F	• UL verified to Fed Spec WC-596F except cat. no. 5266AN	
		• CSA certified to C22.2, no. 42-99 file no. 7087 (6221-02)	• CSA certified to C22.2, no. 42-99 file no. 2081 (6221-02)	• UL verified to Federal Spec. WC-596F
		• 7251N: NOM certified		
Specifications: Environmental	Flammability	Meets UL94 requirements, V2 rated	Meets UL94 requirements, V2 rated	Meets UL94 requirements, V2 rated
	Temperature Rating	-40°C to 75°C (-40°F to 167°F)	-40°C to 75°C (-40°F to 167°F)	-40°C to 75°C (-40°F to 167°F)
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
	Current Interrupting	Yes, at full-rated current	Yes, at full-rated current	Yes, at full-rated current
	Temperature Rise	Max. 30°C (86°F) after 200 cycles of overload @ 200% of rated current (DC)	Max. 30°C (86°F) after 50 cycles of overload @ 150% of rated current (DC)	Max. 30°C (86°F) 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
	Voltage Ratings	Permanently marked on device	Permanently marked on device	Permanently marked on device
Materials:	Plug/Connector Outer Shell	Nylon	Nylon	Nylon
	Interior Body	Nylon	Nylon	Nylon
	Terminal Retainer	Polycarbonate	Polycarbonate	N/A
	Blades	0.065" thick brass	0.065" thick brass	0.060" thick brass
	Line Contacts	0.031" thick brass	0.031" thick brass	0.032" thick brass
	Terminal Clamps	Steel, zinc plated	Steel, zinc plated	Brass
	Terminal Screws	#8-32 brass, nickel plated	#8-32 brass, nickel plated	Steel, brass plated (hot) and zinc plated (neutral)
	Ground Contact	0.041" thick brass	0.041" thick bronze	N/A
	Ground Screw	#8-32 brass, zinc plated, green	#8-32 brass, green	Steel, zinc plated, green
	Assembly/ Mounting Screws	Steel, zinc plated	Steel, zinc plated	Steel, zinc plated
	Cord Clamp	Nylon	Polypropylene	Nylon
	Cord Clamp Screws	Steel, zinc plated	N/A	N/A
	Gasket/Dust Shield	Neoprene	Neoprene	N/A