

Twist-Lock® Devices

30 Ampere, 125/250 Volts and 3Ø 250 Volts AC

3 Pole, 4 Wire Grounding

Insulgrip® Plugs and Flanged Inlets

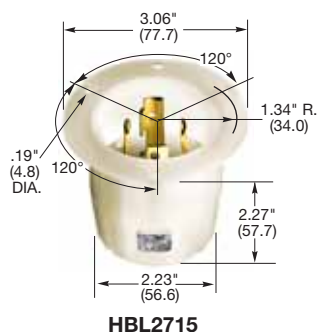
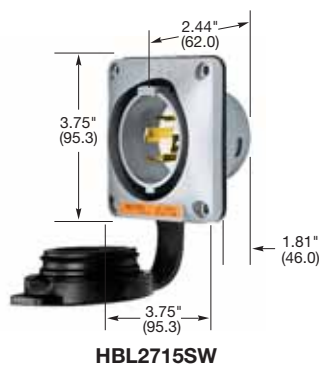
Fed.Spec.



30A 125/250V
NEMA L14-30P
UL/CSA
2 (2) HP



30A 3Ø 250V AC
NEMA L15-30P
UL/CSA
3 HP

**Plugs****Watertight Safety-Shroud®****IP66** SUITABILITY

Description	Cord Dia.	Catalog Numbers
Black Valox® housing, white Valox® clamps.	.35"-1.15" (9-29)	HBL2711SW HBL2721SW

Safety-Shroud**IP20** SUITABILITY

Description	Cord Dia.	Catalog Numbers
Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies.	.35"-1.15" (9-29)	HBL2711S HBL2721S

Accessories on page B-40.

Insulgrip**IP20** SUITABILITY

Description	Cord Dia.	Catalog Numbers
Black and white nylon.	.35"-1.15" (9-29)	HBL2711 HBL2721
Corrosion resistant, yellow nylon.	.35"-1.15" (9-29)	HBL27CM11 HBL27CM21
All black nylon.	.35"-1.15" (9-29)	HBL2711BK -

Accessories on page B-53.

Flanged Inlets**Watertight Safety-Shroud****IP66** SUITABILITY

Description	Catalog Numbers
Gray Valox® housing and flange.	HBL2715SW HBL2725SW

Accessories on page B-54.

Insulgrip**IP20** SUITABILITY

Description	Catalog Numbers
Nylon casing, back wired.	HBL2715 HBL2725

Accessories on page B-52.

Notes: For technical information on Twist-Lock® and Watertight Safety-Shroud Devices see pages B-69 and 70.

HBLMITL - For use with Watertight Safety-Shroud receptacles, see page B-39.



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

Watertight Safety-Shroud® Twist-Lock® Devices

Technical Information

20 and 30 Ampere

Specifications

Listings

Listed to UL Standard 498 (Attachment Plugs and Receptacles).

Certified to CSA Standard No.42 (General Use Receptacles, Attachment Plugs and Similar Wiring Devices).

Fed. Spec. WC-596.

UL Listed, CSA Certified to Type 4, 4X and Type 12.

Part	Materials
Watertight Safety-Shroud® Plug (Insulgrip®)	20 and 30A
Blade Holder	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Cover (Housing)	Black Valox®
Cord Clamp	White Valox®
Blades	Brass
Terminal Clamp	Steel, nickel plated .080" curved scalloped
Terminal Screws	10-32 brass (white finish on neutral screw when used) multiple drive head
Grounding Screw	Brass (green finish) combination head
Cord Clamp Screws	Stainless steel 302/304, combination head
Body Holding Screws	Stainless steel 302/304, combination head
Closure Cap and Strap	Neoprene EPDM Blend
Watertight Safety-Shroud Connector (Insulgrip®)	20 and 30A
Body Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Contact Spring	Brass
Spring Binding Plate	Brass
Cover (Housing)	Black Valox®
Cord Clamp	White Valox®
Terminal Clamp	Steel, nickel plated .080" curved scalloped
Terminal Screws	10-32 brass (white finish on neutral screws when used) multiple drive head
Grounding Screw	Brass (green finish) combination head
Cord Grip Screws	Stainless steel 302/304, combination head
Body Holding Screws	Stainless steel 302/304, combination head
Closure Cap and Strap	Polypropylene with Neoprene gasket
Watertight Safety-Shroud Receptacle, Single*	20 and 30A
Housing and Flange	Gray Valox
Body Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Drive Screws	Steel, zinc plated
Contact Spring	Brass
Spring Binding Plate	Brass
Terminal Clamp	Steel, nickel plated .080" curved, scalloped
Flange Gasket	Closed-cell neoprene foam
Lid Gasket	Closed-cell neoprene foam
Cover Hinge Pin	Stainless steel 302/304
Cover Spring	Stainless steel 302/304
Terminal Screws	10-32 brass (white finish on neutral screw when used) multiple drive head
Grounding Screw	Brass (green finish) combination head
Mounting Screws	Stainless steel 302/304 combination head
Watertight Safety-Shroud Flanged Inlet	20 and 30A
Housing and Flange	Gray Valox
Blade Holder	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Blades	Brass
Drive Screws	Steel, zinc plated
Terminal Clamp	Steel, nickel plated .080" curved scalloped
Terminal Screws	10-32 brass (white finish on neutral screw - when used) multiple drive head
Grounding Screw	Brass (green finish) combination head
Closure Cap	Neoprene EPDM blend
Mounting Screws	Stainless steel 302/304 combination head

Performance

Electrical

Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	600 Volts RMS.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30 deg. temperature rise at full rated current after 250 cycles of overload at 200% of rated current at a power factor of 75% (WC 596).

Mechanical

Cord Accommodation (Plugs and connectors only)	Round portable service cords of diameters commensurate with the device rating as defined in UL Standard 62, CSA C22.2 No. 49.
Cord Grip Accommodation	20 and 30A, 3W: .32"- .93" (8.1-24.0mm) #16-3 Type SJ-#8-3 Type S,SO; 20 and 30A, 4W: .35"-1.15" (9.0-29.2mm) #16-4 Type SJ-#8-4 Type S, SO; 20 and 30A, 5W: .35"-1.15" (9.0-29.2mm) #16-5 Type S,SO - #8-5 Type S,SO. Terminals identified in accordance with UL 498 (X, Y, Z, White, Green). #16- #8 AWG solid or stranded copper wire only. Ratings are a permanent part of the device blade holder, and are also labeled on device color coded by voltage, visible in use. Catalog No. I.D. is on device visible in use.
Terminal Identification	
Terminal Accommodation	
Product Identification	

Environmental

Moisture Resistance	Type 4, 4X, 12, IP66 suitability.
Flammability (Enclosure)	V0 per UL94 or CSA 22.2 No. 0.17.
Operating Temperatures	Maximum Continuous 75°C; Minimum -40°C (w/o impact).

Note: *Suitable for use as a flanged receptacle.

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