



## Features and Benefits

### Insulgrip® 20 and 30 Amp Plugs and Connector Bodies

Our 20 and 30 amp Insulgrip® plugs and connectors maintain Hubbell's classic integrity, solid construction and safety features that make these devices the "industry standard".

Insulgrip's cord gripping design clamps the conductors, not just the cable jacket, making it the industry's most powerful cord grip. The cord grips also provide a clean, one-piece look and makes it stronger.

Insulgrip's design guards against contamination. The nylon body and housing of the plugs and connectors are resistant to industrial chemicals, solvents and hydrocarbons. The face of each plug is molded specific to the blade configuration, eliminating holes that attract debris. And finally, our dust shield provides additional protection from contamination.

Additional features that make Insulgrip the industry standard are our improved contacts that provide better terminations, an exclusive double rivet design for the female contacts and an easy to read identification system.

The Hubbell Twist-Lock® line of plugs and connectors remain the broadest in the industry. Hubbell has you covered – proven performance, innovation and selection.



HBL2311



HBL2313



#### Housing Design

- Tough ribbed nylon housing for secure gripping
- Insulated nylon construction to keep non-current carrying parts from becoming energized



#### Internal Design

- Integral dust shield protects wiring chamber from dust or contaminants. Single-piece shield/housing eliminates need for separate step at installation
- Wiring chambers separate and positively insulate conductors and promote easy inspection



#### Cord Range

- Two-part cord grip tightens with two screws for maximum retention force
- Broad gripping area to accommodate wide range of cable diameters



#### Assembly

- Self-threading screws specially designed for secure assembly



#### Identification

- Product identification is visible while device is in use. Markings include catalog number and ratings printed in the IEC color scheme on the current-carrying portion of the device



#### Contacts

- Improved terminations include #10 multiple drive screws and thicker .080 inch clamping nuts
- Funneled holes to permit "straight-in" conductor insertion
- Contoured binding plates ensures strong wire retention



## Features and Benefits

### Insulgrip® Standard Locking Receptacles

Twist-Lock® receptacles combine functional design features, unparalleled quality to deliver ultimate performance.

The high-impact nylon face of each Hubbell Twist-Lock receptacle has a colored ring. Keyed to an internationally recognized color coding scheme, this ring enables mating devices to be matched quickly. It's just one more example of user-oriented thinking at Hubbell.

The terminals in each Hubbell Twist-Lock receptacle are mechanically and electrically the finest available. These terminals incorporate unique design features to contain and hold conductors, including an external back wiring "wraparound" clamp, a wire restraint recess and more.

The materials used in every receptacle are of the highest quality. The all brass mounting system provides a safer, lower resistance ground path than those made of steel. The thick wall base is constructed of an engineered thermoplastic to offer the benefits of a thermoset, yet with much greater impact resistance.

Hubbell Twist-Lock Receptacles: Voltage color coding on the outside. Proven designs and quality materials on the inside. Any way you look at them, they are the standard of the industry.



125V



250V



277V AC



480V AC



600V AC



125/250V



HBL2310



#### Housing Design

- High-impact, abuse-resistant nylon face
- Glass-Reinforced thermoplastic base (PBT) has the desirable characteristics of a thermoset material, including heat, flame resistance and dimensional stability. The impact resistance it provides, however, is much greater than that of a thermoset



#### Wiring Design

- Wire restraint recess for both back and side wiring, greatly reduces the possibility of loosening the terminal connection



#### Mounting Strap

- All-brass mounting and grounding system provides a lower resistance ground path and greater resistance to corrosion than steel mounting systems



#### Terminals

- #10 brass terminal screw provides greater strength and resistance to corrosion and stripping
- Anti-rotational clamp has a stop to limit the amount of cocking when only one side is used. Accommodates both back and side wiring



#### Identification

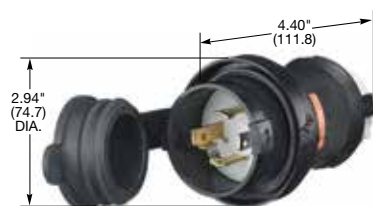
- Face color coding by voltage facilitates locating and mating of proper devices
- Boss diameter is 1.562 inch on 20A and 30A devices for simplifying installation and accessory selection



#### Contacts

- One-piece contact with long spring arm (low stress) and oxide cutting nibs: prevents stress and overheating associated with riveted contact and short spring arms

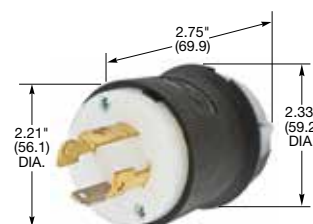
**30 Amp, 125/250 and 3Ø 250 Volts AC**  
**3 Pole, 3 Wire, Non-Grounding and 3 Pole, 4 Wire, Grounding**



**HBL2711SW**



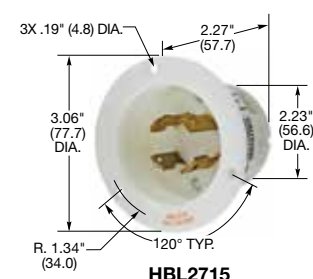
**HBL2711S**



**HBL2711**



**HBL2715SW**



**HBL2715**

## Plugs

### Watertight Safety-Shroud®

| Description                                | Cord Dia.           | Catalog Number | IP66 SUITABILITY | UL Type 4x, 12   |
|--------------------------------------------|---------------------|----------------|------------------|------------------|
| Black Valox® housing, white Valox® clamps. | .350"-1.150" (9-29) | —              | <b>HBL2711SW</b> | <b>HBL2721SW</b> |

### Safety-Shroud®

| Description                                                                                       | Cord Dia.           | Catalog Number | IP20 SUITABILITY                |
|---------------------------------------------------------------------------------------------------|---------------------|----------------|---------------------------------|
| Black and white nylon body, white Valox® shroud. Can be used with the Insulgrip Connector Bodies. | .350"-1.150" (9-29) | —              | <b>HBL2711S</b> <b>HBL2721S</b> |

Note: See page B-40 for accessories.

### Insulgrip®

| Description                         | Cord Dia.              | Catalog Number | IP20 SUITABILITY                  |
|-------------------------------------|------------------------|----------------|-----------------------------------|
| Black and white nylon.              | .350"-1.150" (9-29)    | —              | <b>HBL2711</b> <b>HBL2721</b>     |
| Black and white nylon, (Not shown). | .300"-.950" (7.6-24.1) | <b>HBL2661</b> | —                                 |
| Corrosion resistant, yellow nylon.  | .350"-1.150" (9-29)    | —              | <b>HBL27CM11</b> <b>HBL27CM21</b> |
| All black nylon.                    | .350"-1.150" (9-29)    | —              | <b>HBL2711BK</b> —                |

Note: See page B-52 for accessories.

## Flanged Inlets

### Watertight Safety-Shroud®

| Description                                                                        | Catalog Number | IP66 SUITABILITY  | UL Type 4x, 12   |
|------------------------------------------------------------------------------------|----------------|-------------------|------------------|
| Gray Valox® housing and flange.                                                    | —              | <b>HBL2715SW</b>  | <b>HBL2725SW</b> |
| Reverse service, gray Valox® housing and flange (use with HBL2713SR), (Not shown). | —              | <b>HBL2715SWR</b> | —                |

Note: See page B-54 for accessories.

### Insulgrip®

| Description                                                                               | Catalog Number | IP20 SUITABILITY              |
|-------------------------------------------------------------------------------------------|----------------|-------------------------------|
| Nylon casing, back wired.                                                                 | —              | <b>HBL2715</b> <b>HBL2725</b> |
| Nylon casing, back wired, (Not shown).                                                    | <b>HBL2665</b> | —                             |
| Nylon casing, weather protective, die cast aluminum, back wired, self closing lift cover. | —              | <b>HBL2715M3</b> —            |

Note: See page B-52 for accessories.

See pages B-69 and B-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.



**HBL2715M3**

**HBLMITL** - For use with Watertight Safety-Shroud receptacles and reverse service inlet, see page B-41.



Dimensions in Inches (mm)

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



## Switched Twist-Lock® and Hubbellock® Enclosures



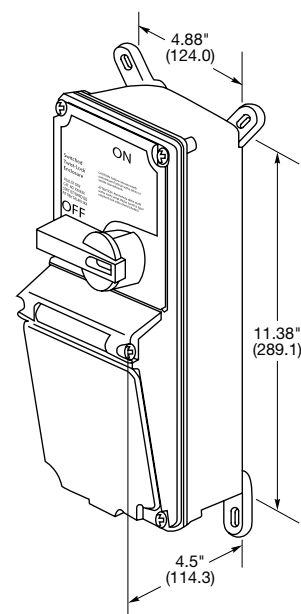
UL Listed, CSA Certified  
Type 3R and 12K Enclosure Rating

**IP54**  
SUITABILITY

### Switched Enclosure Ready for Twist-Lock® Receptacle Addition

Ideal unit for stockroom. This single unit provides the complete enclosure ready to accept any Hubbell 20 or 30A Twist-Lock receptacle.

| Description                                                                                                                  | Ratings                                                                                                                          | Catalog Number |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------|
| Switched Twist-Lock enclosure accommodates any NEMA 2 pole, 3 wire to 4 pole, 5 wire grounding receptacle (sold separately). | Amperage, voltage, and horsepower ratings will be determined by the choice of the NEMA 20 or 30A Twist-Lock receptacle selected. | <b>SETL3</b>   |
| Auxiliary contact.                                                                                                           | "Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.                                                          | <b>HBLAC1</b>  |
| Auxiliary contact.                                                                                                           | "Break Before Main Break", 1 set of n/o contacts.                                                                                | <b>HBLAC2</b>  |



**SETL3**

### Switched Enclosure Complete with Twist-Lock® Receptacle

Completely pre-wired with a Twist-Lock receptacle, these application oriented combinations are available to satisfy your needs.

| Description                                                        | Amps | Voltage    | NEMA Config. | Horsepower | Switched Enclosure | Use Twist-Lock Plug |
|--------------------------------------------------------------------|------|------------|--------------|------------|--------------------|---------------------|
| Switched Twist-Lock enclosure with a pre-wired HBL2720 receptacle. | 30   | 3Ø 240V AC | L15-30R      | 3          | <b>SE2720A</b>     | <b>HBL2721</b>      |
| Switched Twist-Lock enclosure with a pre-wired HBL2730 receptacle. | 30   | 3Ø 480V AC | L16-30R      | 10         | <b>SE2730A</b>     | <b>HBL2731</b>      |



**SE2720A**

### Switched Enclosure Ready for Hubbellock® Receptacle Addition

Ideal unit for stockroom. This single unit provides the complete enclosure ready to accept your 30A, 4 wire Hubbellock receptacle choice.

| Description                                                                                | Ratings                                                                                                                  | Catalog Number |
|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|----------------|
| Switched enclosure for use with 3 pole 4 wire 30A Hubbellock receptacle (sold separately). | Amperage, voltage, and horsepower ratings will be determined by the choice of the 4 wire Hubbellock receptacle selected. | <b>SEHBL3</b>  |
| Auxiliary contact.                                                                         | "Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.                                                  | <b>HBLAC1</b>  |
| Auxiliary contact.                                                                         | "Break Before Main Break", 1 set of n/o contacts.                                                                        | <b>HBLAC2</b>  |



**HBLAC1**

**HBLAC2**

### Replacement Mounting Feet

| Description       | Catalog Number             |
|-------------------|----------------------------|
| For 30A switches. | <b>HBLRFT1<sup>Δ</sup></b> |

Note: <sup>Δ</sup> Package of 10 feet and 10 screws.  
See page B-72 for technical information on Switched Safety Enclosures.



**HBLRFT1**

Dimensions in Inches (mm)



## ADD-A-SHROUD® and Adapters

### Safety-Shroud® Twist-Lock® – 20 and 30 Amp

The Add-A-Shroud® devices allow conversion of existing 20A and 30A 3 to 5 wire Hubbell Insulgrip® Twist-Lock devices to a Safety-Shroud Twist-Lock plug. These devices provide a convenient and cost-effective way to convert existing Hubbell Insulgrip Twist-Lock plugs to Safety-Shroud Twist-Lock plugs. The Safety-Shroud Twist-Lock plug permits engagement with the Hubbell Mechanical Interlock Enclosure which virtually prevents make and break under load.

### Add-A-Shroud® Catalog Number HBLSS3

For conversion of all 3 wire Hubbell Insulgrip Twist-Lock Devices.

| Rating                       | Voltage AC | NEMA Config. Reference Number | Plug Catalog Number | Add-A-Shroud Catalog Number |
|------------------------------|------------|-------------------------------|---------------------|-----------------------------|
| 20A, 2 Pole 3 Wire Grounding | 125V       | L5-20                         | <b>HBL2311</b>      | <b>HBLSS3</b>               |
|                              | 250V       | L6-20                         | <b>HBL2321</b>      | <b>HBLSS3</b>               |
|                              | 277V AC    | L7-20                         | <b>HBL2331</b>      | <b>HBLSS3</b>               |
|                              | 480V AC    | L8-20                         | <b>HBL2341</b>      | <b>HBLSS3</b>               |
|                              | 600V AC    | L9-20                         | <b>HBL2351</b>      | <b>HBLSS3</b>               |
| 30A, 2 Pole 3 Wire Grounding | 125V       | L5-30                         | <b>HBL2611</b>      | <b>HBLSS3</b>               |
|                              | 250V       | L6-30                         | <b>HBL2621</b>      | <b>HBLSS3</b>               |
|                              | 277V AC    | L7-30                         | <b>HBL2631</b>      | <b>HBLSS3</b>               |
|                              | 480V AC    | L8-30                         | <b>HBL2641</b>      | <b>HBLSS3</b>               |
|                              | 600V AC    | L9-30                         | <b>HBL2651</b>      | <b>HBLSS3</b>               |

### Add-A-Shroud® Catalog Number HBLSS45

For conversion of all 4 and 5 wire Hubbell Insulgrip Twist-Lock Devices.

| Rating                       | Voltage AC      | NEMA Config. Reference Number | Plug Catalog Number | Add-A-Shroud Catalog Number |
|------------------------------|-----------------|-------------------------------|---------------------|-----------------------------|
| 20A, 3 Pole 4 Wire Grounding | 125/250V AC     | L14-20                        | <b>HBL2411</b>      | <b>HBLSS45</b>              |
|                              | 3Ø250V AC       | L15-20                        | <b>HBL2421</b>      | <b>HBLSS45</b>              |
|                              | 3Ø480V AC       | L16-20                        | <b>HBL2431</b>      | <b>HBLSS45</b>              |
| 30A, 3 Pole 4 Wire Grounding | 125/250V AC     | L14-30                        | <b>HBL2711</b>      | <b>HBLSS45</b>              |
|                              | 3Ø250V AC       | L15-30                        | <b>HBL2721</b>      | <b>HBLSS45</b>              |
|                              | 3Ø480V AC       | L16-30                        | <b>HBL2731</b>      | <b>HBLSS45</b>              |
|                              | 3Ø600V AC       | L17-30                        | <b>HBL2741</b>      | <b>HBLSS45</b>              |
| 20A, 4 Pole 5 Wire Grounding | 3ØY 120/208V AC | L21-20                        | <b>HBL2511</b>      | <b>HBLSS45</b>              |
|                              | 3ØY 277/480V AC | L22-20                        | <b>HBL2521</b>      | <b>HBLSS45</b>              |
|                              | 3ØY 347/600V AC | L23-20                        | <b>HBL2531</b>      | <b>HBLSS45</b>              |
| 30A, 4 Pole 5 Wire Grounding | 3ØY 120/208V AC | L21-30                        | <b>HBL2811</b>      | <b>HBLSS45</b>              |
|                              | 3ØY 277/480V AC | L22-30                        | <b>HBL2821</b>      | <b>HBLSS45</b>              |
|                              | 3ØY 347/600V AC | L23-30                        | <b>HBL2831</b>      | <b>HBLSS45</b>              |

### Watertight Safety Shroud - Deluxe Cord Grip and Metallic Liquidtight Conduit Fitting Adapters

Adapter for Use with ¾" NPT Fittings

| Description                     | Cord Dia.     | Catalog Number   |
|---------------------------------|---------------|------------------|
| 3 Wire, Anodized Aluminum       | .250" - .750" | <b>WTSS234</b>   |
| 3 Wire, Stainless Steel         | .250" - .750" | <b>WTSS234SS</b> |
| 4 and 5 Wire, Anodized Aluminum | .250" - .750" | <b>WTSS334</b>   |
| 4 and 5 Wire, Stainless Steel   | .250" - .750" | <b>WTSS334SS</b> |

Adapter for Use with 1" NPT Fittings

| Description                     | Cord Dia.     | Catalog Number   |
|---------------------------------|---------------|------------------|
| 4 and 5 Wire, Anodized Aluminum | .375" - 1.00" | <b>WTSS310</b>   |
| 4 and 5 Wire, Stainless Steel   | .375" - 1.00" | <b>WTSS310SS</b> |



HBLSS3



HBLSS45



WTSS234



WTSS234SS



WTSS310



WTSS310SS