

IEC Pin and Sleeve

Unfused Circuit-Lock® Ordering Information

20, 30, 60 and 100 Ampere – North American Ratings

32 Ampere – International Rating



IP67
SUITABILITY



| Amps | Poles & Wires | Configuration Recep./ Conn. | Plug/ Inlet | Voltage | Mechanical Interlock | Mating Plug |
|------|---------------|-----------------------------------|----------------|-----------------------|-------------------------|-------------|
| 20 | 3P 4W | | | 120/240 | HBL420MI12W | HBL420P12W |
| | 3P 4W | | | 3Ø 240 | HBL420MI9W | HBL420P9W |
| | 3P 4W | | | 3Ø 480 | HBL420MI7W | HBL420P7W |
| | 3P 4W | | | 3Ø 600 | HBL420MI5W | HBL420P5W |
| 30 | 2P 3W | | | 120 | HBL330MI4W | HBL330P4W |
| | 2P 3W | | | 240 | HBL330MI6W | HBL330P6W |
| | 2P 3W | | | 480 | HBL330MI7W | HBL330P7W |
| | 3P 4W | | | 120/240 | HBL430MI12W | HBL430P12W |
| | 3P 4W | | | 3Ø 240 | HBL430MI9W | HBL430P9W |
| | 3P 4W | | | 3Ø 480 | HBL430MI7W | HBL430P7W |
| | 3P 4W | | | 3Ø 600 | HBL430MI5W | HBL430P5W |
| | 4P 5W | | | 3Ø Y 120/208 | HBL530MI9W | HBL530P9W |
| | 4P 5W | | | 3Ø Y 277/480 | HBL530MI7W | HBL530P7W |
| | 4P 5W | | | 3Ø Y 347/600 | HBL530MI5W | HBL530P5W |
| 32 | 3P 4W | | | 380 50HZ- 440 60Hz | HBL432MI3W | HBL432P3W |
| 60 | 2P 3W | | | 120 | HBL360MI4W | HBL360P4W |
| | 2P 3W | | | 240 | HBL360MI6W | HBL360P6W |
| | 2P 3W | | | 480 | HBL360MI7W | HBL360P7W |
| | 3P 4W | | | 120/240 | HBL460MI12W | HBL460P12W |
| | 3P 4W | | | 3Ø 240 | HBL460MI9W | HBL460P9W |
| | 3P 4W | | | 3Ø 480 | HBL460MI7W | HBL460P7W |
| | 3P 4W | | | 3Ø 600 | HBL460MI5W | HBL460P5W |
| | 4P 5W | | | 3Ø Y 120/208 | HBL560MI9W | HBL560P9W |
| | 4P 5W | | | 3Ø Y 277/480 | HBL560MI7W | HBL560P7W |
| | 4P 5W | | | 3Ø Y 347/600 | HBL560MI5W | HBL560P5W |
| 100 | 2P 3W | | | 240 | HBL3100MI6W | HBL3100P6W |
| | 3P 4W | | | 120/240 | HBL4100MI12W | HBL4100P12W |
| | 3P 4W | | | 3Ø 240 | HBL4100MI9W | HBL4100P9W |
| | 3P 4W | | | 3Ø 480 | HBL4100MI7W | HBL4100P7W |
| | 3P 4W | | | 3Ø 600 | HBL4100MI5W | HBL4100P5W |
| | 4P 5W | | | 3Ø Y 120/208 | HBL5100MI9W | HBL5100P9W |

Note: 20, 30 and 32A – 1.0 inch N.P.T. hub supplied; 60 and 100A – 1¼ inch hub supplied.



IEC Pin and Sleeve Unfused Circuit-Lock® Specifications

Typical Specifications

| | |
|----------------------------|---|
| Manufacturer's Description | Identification Hubbell HBL430MI7W Circuit-Lock® Pin and Sleeve Mechanical Interlock. |
| Electrical Type | 3 Pole + Earth. |
| Rating | 30A, 480V AC, 3 Phase. |
| Configuration | IEC 60309-2, UL1686 C2, Clock position 7. |
| Enclosure Type | Outdoor-4X (Watertight, Washdown) Indoor-12 (Dust-tight, Falling Dirt and Noncorrosive Liquids) |
| Ingress Protection | IP67 Suitability. |
| Enclosure Material | Non-metallic, enclosure suitable for metallic conduit. |
| Certification | UL Listed, CSA Certified. |

This device provides on/off switched control of a plug connected load and includes an interlocking feature to prevent the plug from being disconnected while the receptacle is energized. The switch cannot be turned "ON" until the plug is inserted properly, and the plug cannot be removed until the switch is turned "OFF."

Materials

| Part | Materials | Part | Materials |
|------------------|----------------------------|-------------------|----------------------------|
| Base | Valox® | Top | Valox® |
| Handle | Valox® | Conduit Hub | Zinc |
| Enclosure Gasket | Neoprene | Shaft | Valox® |
| Shaft Seal | Neoprene | Ground Plate | Galvanized Steel |
| Enclosure Screws | Stainless Steel 300 Series | Enclosure Inserts | Brass |
| Hinge Pins | Nickel Plated Brass | Hinge Spring | Stainless Steel 300 Series |

Performance

| Electrical | |
|--------------------------------|---|
| Dielectric Voltage | Withstands 3,000V AC Min. |
| Max. Working Voltage | 600V AC RMS. |
| Current Interrupting | Certified for current interrupting at full rated current and voltage. |
| Short Circuit Withstand Rating | Suitable for use on a circuit capable of delivering not more than 10,000 RMS symmetrical amperes at the voltage rating of the receptacle. |
| Operations | Mechanical 10,000 cycles, electrical 6,000 cycles. |

Mechanical

| | |
|-------------------------|---|
| Impact Resistance | In accordance with UL 746C. |
| Terminal Identification | In accordance with UL, CSA and international conventions. |
| Product Identification | Identification and ratings are part of the external label and molded into the receptacle mount. |
| Mounting | External adjustable feet. |

Environmental

| | |
|-----------------------|--|
| Moisture Resistance | Outdoor - 4X (Watertight, Washdown) Indoor - 12 (Dust-tight, Falling Dirt and Noncorrosive Liquids). |
| Ingress Protection | IP67 Suitability. |
| Flammability | UL94-5VA and V-0 Classification. |
| Operating Temperature | Max. Continuous +75°C; Min. Continuous -40°C. |
| UV Resistance | All materials are UV stabilized. |

Horsepower Ratings

| Amps | Rating | Horsepower | Catalog Number | Mating Plug Catalog Number |
|------|-----------------------------|----------------------|----------------|----------------------------|
| 20 | 120/240V AC | 2 | HBL420MI12W | HBL420P12W |
| 20 | 3Ø 240V AC | 5 | HBL420MI9W | HBL420P9W |
| 20 | 3Ø 480V AC | 10 | HBL420MI7W | HBL420P7W |
| 20 | 3Ø 600V AC | 10 | HBL420MI5W | HBL420P5W |
| 30 | 120V AC | 2 | HBL330MI4W | HBL330P4W |
| 30 | 240V AC | 3 (208-240V AC) | HBL330MI6W | HBL330P6W |
| 30 | 480V AC | 7.5 | HBL330MI7W | HBL330P7W |
| 30 | 120/240V AC | 3 (208-240V AC) | HBL430MI12W | HBL430P12W |
| 30 | 3Ø 600V AC | 20 | HBL430MI5W | HBL430P5W |
| 30 | 3Ø 480V AC | 15 | HBL430MI7W | HBL430P7W |
| 30 | 3Ø 250V AC | 7.5 | HBL430MI9W | HBL430P9W |
| 30 | 3ØY347/600V AC | 20 | HBL530MI5W | HBL530P5W |
| 30 | 3ØY277/480V AC | 15 | HBL530MI7W | HBL530P7W |
| 30 | 3ØY120/208V AC | 5 | HBL530MI9W | HBL530P9W |
| 32 | 380V AC 50Hz – 440V AC 60Hz | 15 (440V AC 3Ø 60Hz) | HBL432MI3W | HBL432P3W |
| 60 | 120V AC | 3 | HBL360MI4W | HBL360P4W |
| 60 | 240V AC | 7.5 (208-240V AC) | HBL360MI6W | HBL360P6W |
| 60 | 480V AC | 20 | HBL360MI7W | HBL360P7W |
| 60 | 120/240V AC | 7.5 (208-240V AC) | HBL460MI12W | HBL460P12W |
| 60 | 3Ø 600V AC | 40 | HBL460MI5W | HBL460P5W |
| 60 | 3Ø 480V AC | 30 | HBL460MI7W | HBL460P7W |
| 60 | 3Ø 250V AC | 15 | HBL460MI9W | HBL460P9W |
| 60 | 3ØY347/600V AC | 40 | HBL560MI5W | HBL560P5W |
| 60 | 3ØY277/480V AC | 30 | HBL560MI7W | HBL560P7W |
| 60 | 3ØY120/208V AC | 15 | HBL560MI9W | HBL560P9W |
| 100 | 240V AC | 15 (10 @ 208V AC) | HBL3100MI6W | HBL3100P6W |
| 100 | 120/240V AC | 15 | HBL4100MI12W | HBL4100P12W |
| 100 | 3Ø 600V AC | 50 | HBL4100MI5W | HBL4100P5W |
| 100 | 3Ø 480V AC | 50 | HBL4100MI7W | HBL4100P7W |
| 100 | 3Ø 250V AC | 25 (208-240V AC) | HBL4100MI9W | HBL4100P9W |
| 100 | 3ØY120/208V AC | 20 | HBL5100MI9W | HBL5100P9W |

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

IEC Pin and Sleeve

“Reverse Service” Unfused Circuit-Lock® Mechanical InterlocksIP67
SUITABILITY*Features and Benefits*

Large gears enclosed in a gear box assembled on one plane to eliminate possible gear jumping.

Color coded rating pad and receptacle mount to signify voltage.

Lockable handle to meet OSHA Lockout/Tagout regulations.

Two-stage interlocking mechanism to help defeat tampering.

Watertight conduit hub and grounding plate for use on metallic conduit.

Pre-wired IEC Pin and Sleeve reverse service receptacle.

Solid pins—dependable solid brass for longer life and reliable electrical contact.

Captured neoprene gasket for a watertight seal.

Horsepower rated disconnect switch handles large motor loads.

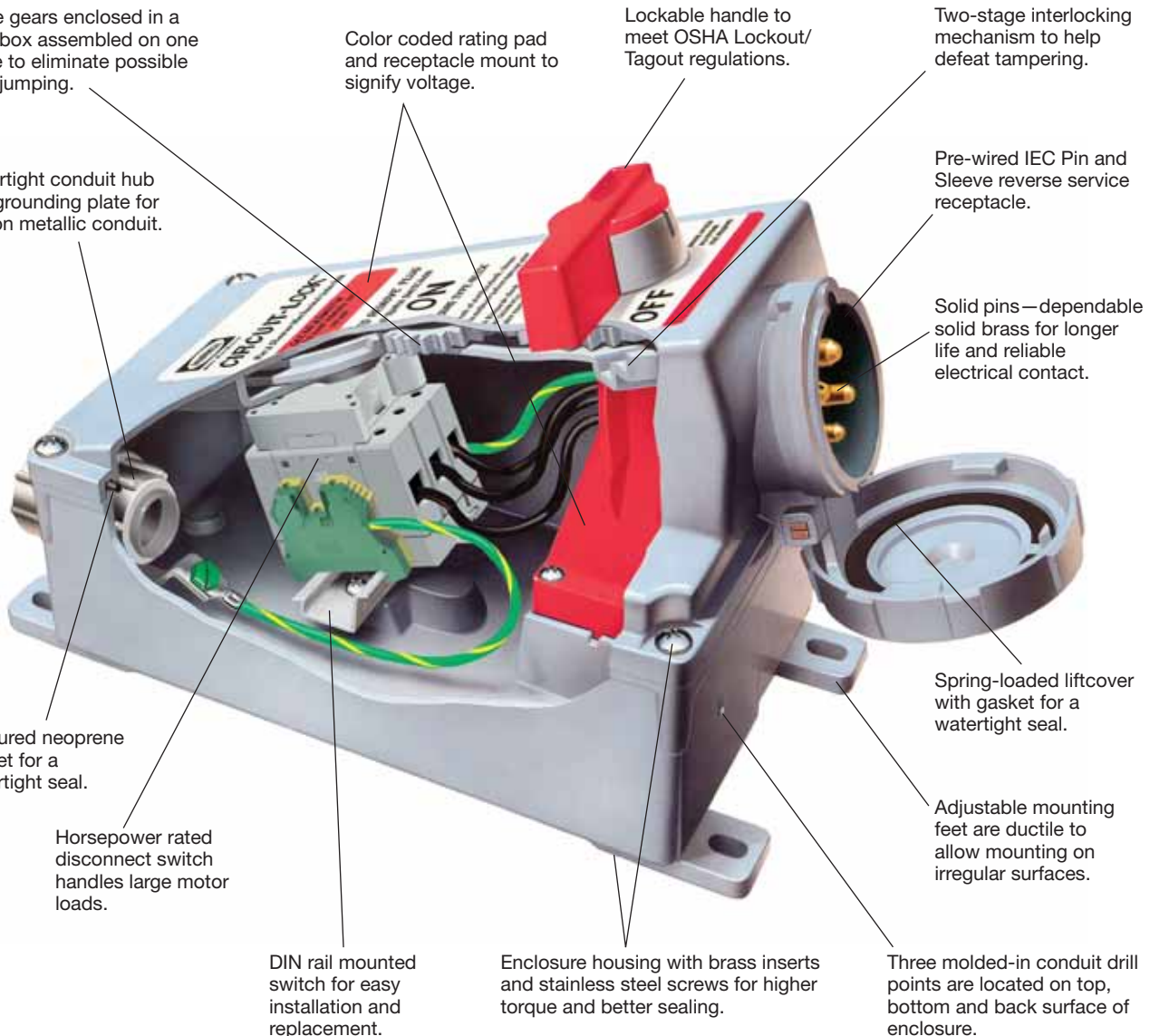
DIN rail mounted switch for easy installation and replacement.

Enclosure housing with brass inserts and stainless steel screws for higher torque and better sealing.

Spring-loaded liftcover with gasket for a watertight seal.

Adjustable mounting feet are ductile to allow mounting on irregular surfaces.

Three molded-in conduit drill points are located on top, bottom and back surface of enclosure.

**Hubbell Circuit-Lock® Reverse Service Mechanical Interlocks**

The National Electric Code requires a separate disconnect means within sight of all motor loads. The NEC requires the disconnecting means in a motor-circuit be listed as “Suitable as Motor Disconnect” if the motor is rated greater than 2 HP.

Hubbell’s “Reverse Service” Circuit-Lock® Mechanical Interlock incorporates the disconnect switch and reverse service receptacle (inlet) in one compact non-metallic and economical unit.

At the same time, it eliminates the possibility of making or breaking the circuit under load or making a casual or “lazy” connection.

The switch cannot be turned ON until the reverse service plug has been inserted properly, and the reverse service plug cannot be removed until the switch is turned OFF. The non-metallic enclosure can be connected to metallic conduit and not interfere with the ground continuity.

These horsepower rated units are durable, watertight and easy to install and all “Reverse Service” Circuit-Lock® Mechanical Interlocks can be locked out as a method of compliance with OSHA Lockout/Tagout regulation.

These Circuit-Lock® units are available in 30, 60 and 100A, 4 wire configurations.