

# Pin and Sleeve Devices/Mechanical Interlocks

## Features and Benefits

**IP67**  
SUITABILITY

### Unfused Circuit-Lock® Pin and Sleeve Mechanical Interlocks

The National Electrical Code (NEC®) 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 revolutionary Circuit-Lock interlock incorporates the disconnect switch and receptacle in one compact, non-metallic and economical unit. Removing the plug and locking it out provides a visual means of verifying equipment has been disconnected. All Circuit-Lock mechanical interlocks can be locked out as a method of compliance with the OSHA Lockout/Tagout regulation.

The switch cannot be turned ON until the plug is completely engaged, and the plug cannot be removed until the switch is turned OFF. At the same time, it eliminates the possibility of making or breaking the circuit under load or making a casual or “lazy” connection. The non-metallic enclosure can be connected to the metallic conduit and not interfere with the ground continuity.

In addition, these horsepower rated units are durable, watertight and easy to install. And they are compatible with IEC 60309-2 plugs. These Circuit-Lock units are available in 20, 30, 60 and 100A models, and in 3, 4 and 5 wire configurations that are designed to the IEC 60309-1 and 60309-2 standards.

Hubbell’s Circuit-Lock Mechanical Interlocks are also available in “Reverse Service” versions. These units incorporate the disconnect switch and reverse service receptacle (inlet) in one compact, non-metallic and economical unit. These units are available in 30, 60 and 100A models, 4 wire configurations.



**HBL430MI7W**



#### Housing Design

- Insulated non-metallic housing, super tough, non-conductive and chemical resistant for heavy duty industrial environments
- IEC pin and sleeve devices are color coded by voltage for easy identification
- Self-closing gasketed cover, detents into position to fully close automatically



#### Interior Design

- Large gears enclosed in a gear box assembled on one plane to eliminate possible gear jumping
- Horsepower rated disconnect switch handles large motor loads
- DIN rail mounted switch for easy installation and replacement



#### Safety

- 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 (IP67 suitability)



#### Liftcover

- Replaceable spring-loaded liftcover with gasket for a watertight seal
- Pre-wired IEC Pin and Sleeve receptacle
- Reverse service has dependable solid brass pins for longer life and reliable electrical contact



#### Identification

- Color coded rating pad and receptacle mount to signify voltage



#### Installation

- Comes with brass inserts and stainless steel screws for higher torque and better sealing
- Three molded-in conduit drill points are located on top, bottom and back surface of enclosure
- Adjustable mounting feet are ductile to allow mounting on irregular surfaces

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Rating					Unfused Circuit-Lock® Devices		Reverse Service	
Amps	Poles and Wires	Configuration Recep.	Plug	AC Voltage	Mechanical Interlock	Mating Plug	Mechanical Interlock	Mating Plug
20	3P 4W			120/240V			—	—
	3P 4W			3Ø 240V			—	—
	3P 4W			3Ø 480V			—	—
	3P 4W			3Ø 600V			—	—
30	2P 3W			120V			—	—
	2P 3W			240V			—	—
	2P 3W			480V			—	—
	3P 4W			120/240V			—	—
	3P 4W			3Ø 240V			HBL430MI9WR	HBL430P9WR
	3P 4W			3Ø 480V			HBL430MI7WR	HBL430P7WR
	3P 4W			3Ø 600V			HBL430MI5WR	HBL430P5WR
	4P 5W			3ØY 120/208V			—	—
	4P 5W			3ØY 277/480V			—	—
	4P 5W			3ØY 347/600V			—	—
32	3P 4W			380V 50HZ-440V 60Hz			—	—
60	2P 3W			120V			—	—
	2P 3W			240V			—	—
	2P 3W			480V			—	—
	3P 4W			120/240V			HBL460MI12WR	HBL460P12WR
	3P 4W			3Ø 240V			HBL460MI9WR	HBL460P9WR
	3P 4W			3Ø 480V			HBL460MI7WR	HBL460P7WR
	3P 4W			3Ø 600V			HBL460MI5WR	HBL460P5WR
	4P 5W			3ØY 120/208V			—	—
	4P 5W			3ØY 277/480V			—	—
	4P 5W			3ØY 347/600V			—	—
100	2P 3W			240V			—	—
	3P 4W			120/240V			HBL4100MI12WR	HBL4100P12WR
	3P 4W			3Ø 240V			HBL4100MI9WR	HBL4100P9WR
	3P 4W			3Ø 480V			HBL4100MI7WR	HBL4100P7WR
	3P 4W			3Ø 600V			HBL4100MI5WR	HBL4100P5WR
	4P 5W			3ØY 120/208V			—	—

Note: 20, 30 and 32A – 1 inch NPT hub supplied; 60 and 100A – 1/4 inch hub supplied.