

# Bryant Pin and Sleeve Mechanical Interlocks

**BRY420MI9W****BRYAUX1****BRYRPLCFT****BRYMIRS30**

Bryant Pin and Sleeve Mechanical Interlocks are used with matching connectors to provide enhanced safety in a variety of situations. These heavy-duty disconnect switches are horsepower rated for motor load applications.

The interlock's switch cannot be turned ON until the plug is completely engaged, and the plug cannot be removed from the interlock until the switch has been turned to the OFF position.

These interlocks feature durable NEMA 4X and 12 enclosures, which have been designed to provide watertight and dust-tight protection in harsh environments.

A watertight conduit hub and grounding plate are included for use with metallic conduit.

Available accessories include break-after-main-break and break-before-main-break auxiliary contacts. Replacement switches, as well as replacement mounting feet, are also available.

## Features

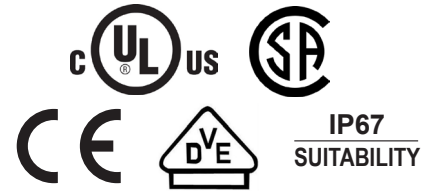
- Disconnect switches in 20A, 30A, 60A, and 100A ratings, multiple wiring configurations, and with a pre-wired IEC 60309 receptacle.
- Accepts all manufacturers' IEC 60309 plugs
- Rugged housing provides superior corrosion and impact resistance for use in the harshest of industrial environments
- Watertight hub and grounding plate included
- Handles are designed to satisfy OSHA lockout/tagout requirements
- Manual motor controller

## Applications

- OEMs
- Food processing
- Industrial applications
- Pharmaceuticals
- Data centers
- Welders
- Conveyors
- Mobile equipment

## Certifications

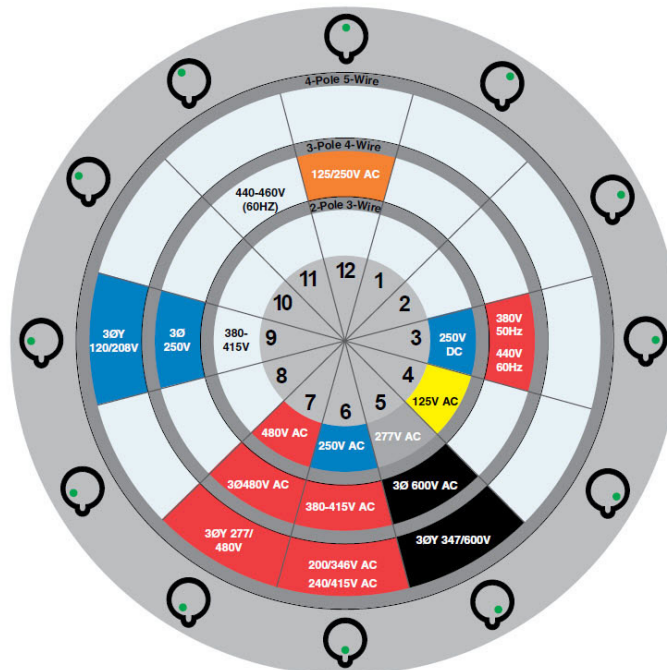
- CSA file 033196\_C\_00
- UL file # E70402
- Accessories E36355 displayed as Hubbell HBL Series



## Identification of Voltage Ratings

Bryant's Pin & Sleeve line safeguards against improperly connecting devices of different amperage and voltage ratings. Conformance with IEC 60309-1 and IEC 60309-2 international standards results in a singly-rated, non-interchangeable configuration for each amperage/voltage type.

The voltage rating can be identified by the clock position of the female grounding sleeve relative to the housing keyway. With the keyway always positioned at 6 o'clock, the female grounding sleeve is located at a specific clock position for each voltage rating.



The housing keyway is always located at the 6 o'clock position on all female devices and is clearly visible to the user.



IEC Pin & Sleeve device housings are color coded by voltage rating for easy identification.

| Rated Voltage  | Color  |
|----------------|--------|
| 100V-130V      | Yellow |
| 125V/250V      | Orange |
| 200V-250V      | Blue   |
| 277V           | Grey   |
| 380V-480V      | Red    |
| 500V and above | Black  |

# Bryant Pin and Sleeve Mechanical Interlocks

| Bryant Unfused Pin and Sleeve Mechanical Interlock Selection Guide |          |      |             |                                                                                     |                                                                                     |                 |                                 |                               |                     |
|--------------------------------------------------------------------|----------|------|-------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------|---------------------------------|-------------------------------|---------------------|
| Part Number                                                        | Price    | Amps | Poles/Wires | Configuration                                                                       |                                                                                     | Voltage         | Horsepower                      | Use with Mating Plug          | Drawing             |
|                                                                    |          |      |             | Recep/Conn                                                                          | Plug/Inlet                                                                          |                 |                                 |                               |                     |
| <a href="#">BRY420MI9W</a>                                         | \$513.00 | 20   | 3P / 4W     |    |    | 240VAC 3Ø       | 5                               | <a href="#">BRY420P9W</a>     | <a href="#">PDF</a> |
| <a href="#">BRY420MI7W</a>                                         | \$513.00 |      |             |    |    | 480VAC 3Ø       | 10                              | <a href="#">BRY420P7W</a>     | <a href="#">PDF</a> |
| <a href="#">BRY330MI4W</a>                                         | \$518.00 | 30   | 2P / 3W     |    |    | 120VAC          | 2                               | <a href="#">BRY330P4W</a>     | <a href="#">PDF</a> |
| <a href="#">BRY330MI6W</a>                                         | \$518.00 |      |             |    |    | 240VAC          | <sup>3</sup><br>(208-240 VAC)   | <a href="#">BRY330P6W</a>     | <a href="#">PDF</a> |
| <a href="#">BRY330MI7W</a>                                         | \$518.00 |      |             |    |    | 480VAC          | 7.5                             | <a href="#">BRY330P7W *</a>   | <a href="#">PDF</a> |
| <a href="#">BRY430MI12W</a>                                        | \$588.00 |      | 3P / 4W     |    |    | 120/240 VAC     | <sup>3</sup><br>(208-240 VAC)   | <a href="#">BRY430P12W *</a>  | <a href="#">PDF</a> |
| <a href="#">BRY430MI9W</a>                                         | \$588.00 |      |             |    |    | 240V AC 3Ø      | 7.5                             | <a href="#">BRY430P9W</a>     | <a href="#">PDF</a> |
| <a href="#">BRY430MI7W</a>                                         | \$578.00 |      |             |    |    | 480V AC 3Ø      | 15                              | <a href="#">BRY430P7W</a>     | <a href="#">PDF</a> |
| <a href="#">BRY430MI5W</a>                                         | \$588.00 |      |             |   |   | 600V AC 3Ø      | 20                              | <a href="#">BRY430P5W</a>     | <a href="#">PDF</a> |
| <a href="#">BRY530MI7W</a>                                         | \$650.00 |      | 4P / 5W     |  |  | 277/480 VAC 3ØY | 15                              | <a href="#">BRY530P7W</a>     | <a href="#">PDF</a> |
| <a href="#">BRY360MI6W</a>                                         | \$773.00 | 60   | 2P / 3W     |  |  | 240VAC          | <sup>7.5</sup><br>(208-240 VAC) | <a href="#">BRY360P6W</a>     | <a href="#">PDF</a> |
| <a href="#">BRY460MI12W</a>                                        | \$879.00 |      | 3P / 4W     |  |  | 120/240 VAC     | <sup>7.5</sup><br>(208-240 VAC) | <a href="#">BRY460P12W *</a>  | <a href="#">PDF</a> |
| <a href="#">BRY460MI9W</a>                                         | \$879.00 |      |             |  |  | 240V AC 3Ø      | 15                              | <a href="#">BRY460P9W</a>     | <a href="#">PDF</a> |
| <a href="#">BRY460MI7W</a>                                         | \$879.00 |      |             |  |  | 480V AC 3Ø      | 30                              | <a href="#">BRY460P7W</a>     | <a href="#">PDF</a> |
| <a href="#">BRY460MI5W</a>                                         | \$879.00 |      |             |  |  | 600V AC 3Ø      | 40                              | <a href="#">BRY460P5W</a>     | <a href="#">PDF</a> |
| <a href="#">BRY560MI9W</a>                                         | \$879.00 |      | 4P / 5W     |  |  | 120/208 VAC 3ØY | 15                              | <a href="#">BRY560P9W</a>     | <a href="#">PDF</a> |
| <a href="#">BRY560MI7W</a>                                         | \$879.00 |      |             |  |  | 277/480 VAC 3ØY | 30                              | <a href="#">BRY560P7W</a>     | <a href="#">PDF</a> |
| <a href="#">BRY4100MI12W</a>                                       | \$994.00 | 100  | 3P / 4W     |  |  | 120VAC          | 15                              | <a href="#">BRY4100P12W *</a> | <a href="#">PDF</a> |
| <a href="#">BRY4100MI9W</a>                                        | \$994.00 |      |             |  |  | 240VAC 3Ø       | <sup>25</sup><br>(208-240 VAC)  | <a href="#">BRY4100P9W</a>    | <a href="#">PDF</a> |
| <a href="#">BRY4100MI7W</a>                                        | \$994.00 |      |             |  |  | 480VAC 3Ø       | 50                              | <a href="#">BRY4100P7W</a>    | <a href="#">PDF</a> |
| <a href="#">BRY4100MI5W</a>                                        | \$994.00 |      |             |  |  | 600V AC 3Ø      | 50                              | <a href="#">BRY4100P5W</a>    | <a href="#">PDF</a> |
| <a href="#">BRY5100MI9W</a>                                        | \$994.00 |      | 4P / 5W     |  |  | 120/208 VAC 3ØY | 20                              | <a href="#">BRY5100P9W</a>    | <a href="#">PDF</a> |

NOTE: Mating plugs sold separately.

\* Not currently offered by AutomationDirect

# Bryant Pin and Sleeve Mechanical Interlocks

| Bryant Unfused Pin and Sleeve Mechanical Interlock Specifications |                            |                                                                                                                                                                                                                                                                                                                                                                                                            |                            |
|-------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| Typical Specifications                                            |                            |                                                                                                                                                                                                                                                                                                                                                                                                            |                            |
| Electrical Type                                                   |                            | 3 Pole + Ground                                                                                                                                                                                                                                                                                                                                                                                            |                            |
| Rating                                                            |                            | 20, 30, 60, and 100A 480/600V AC, 3 Phase                                                                                                                                                                                                                                                                                                                                                                  |                            |
| Configuration                                                     |                            | IEC 60309-2, UL1686 C2, Clock position 7                                                                                                                                                                                                                                                                                                                                                                   |                            |
| Enclosure Type                                                    |                            | Indoor and 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 Listings                                       |                            | UL Listed, CSA Certified File 033196_C_00<br>UL file # E70402 and accessories E36355 displayed as Hubbell HBL Series<br>Listings: UL Listed Standard ANSI/UL 60947-1, "Low-Voltage Switchgear and Controlgear - Part 1: General Rules," and ANSI/UL 60947-4-1, "Low-Voltage Switchgear and Controlgear - Part 4-1: Contactors and Motor-Starters - Electromechanical Contactors and Motor-Starters."<br>CE |                            |
| Materials                                                         |                            |                                                                                                                                                                                                                                                                                                                                                                                                            |                            |
| Base                                                              | PBT                        | Top                                                                                                                                                                                                                                                                                                                                                                                                        | PBT                        |
| Handle                                                            | PBT                        | Conduit Hub                                                                                                                                                                                                                                                                                                                                                                                                | Zinc                       |
| Enclosure Gasket                                                  | Neoprene                   | Shaft                                                                                                                                                                                                                                                                                                                                                                                                      | PBT                        |
| 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                                                       |                            |                                                                                                                                                                                                                                                                                                                                                                                                            |                            |
| Dielectric Voltage                                                |                            | Withstands 3000VAC 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.<br><br>20A and 30A models: Suitable for use on a circuit capable of delivering not more than 65,000 RMS symmetrical amperes, 600V when protected by class "J" fuses rated 30A.                                                                                   |                            |
| 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                                               |                            | Indoor and Outdoor - 4X (Watertight, Washdown)<br>Indoor - 12 (Dust-tight, Falling Dirt and Noncorrosive Liquids)                                                                                                                                                                                                                                                                                          |                            |
| Ingress Protection                                                |                            | IP69K Suitability                                                                                                                                                                                                                                                                                                                                                                                          |                            |
| Flammability                                                      |                            | UL94-5VA and V-0 Classification                                                                                                                                                                                                                                                                                                                                                                            |                            |
| Operating Temperature                                             |                            | Max. Continuous +75°C [167°F]; Min. Continuous -40°C [-40°F]                                                                                                                                                                                                                                                                                                                                               |                            |
| UV Resistance                                                     |                            | All materials are UV stabilized                                                                                                                                                                                                                                                                                                                                                                            |                            |

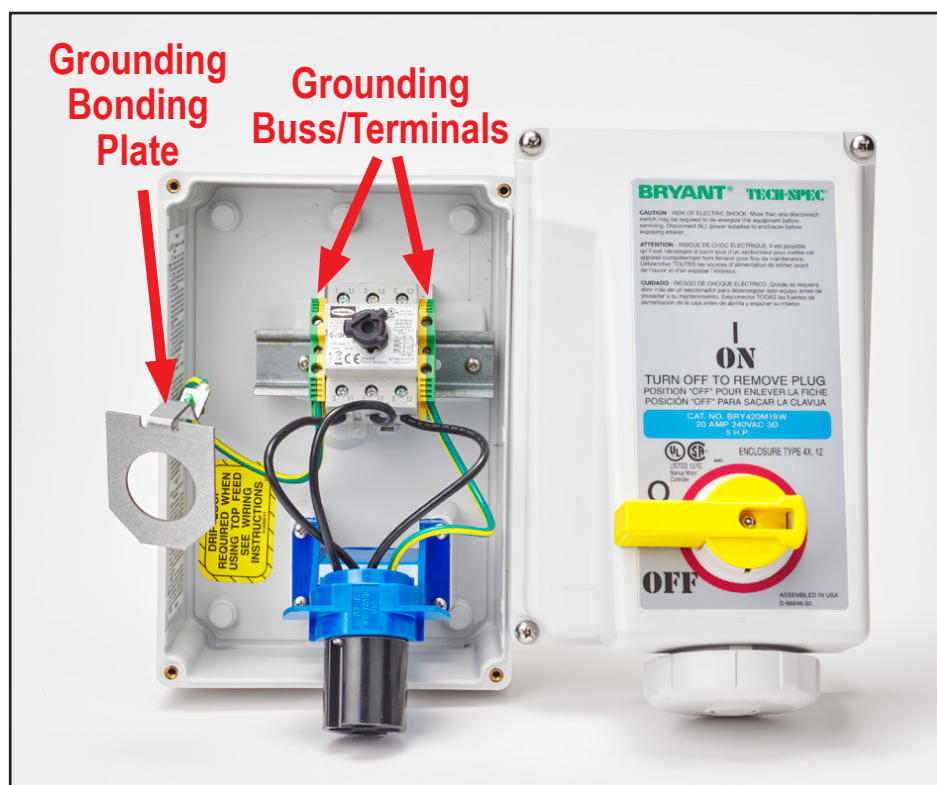
Note: This device provides ON/OFF switched control of a plug connected load and includes an interlocking feature to prevent the plug from being disconnected while the receptacle is energized. The switch cannot be turned "ON" until the plug is inserted properly, and the plug cannot be removed until the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

# Bryant Pin and Sleeve Mechanical Interlocks

| Horsepower Ratings |                   |                   |                              |                               |
|--------------------|-------------------|-------------------|------------------------------|-------------------------------|
| Amps               | AC Voltage Rating | Horsepower        | Mechanical Interlock         | Mating Plug                   |
| 20                 | 3Ø 240VAC         | 5                 | <a href="#">BRY420MI9W</a>   | <a href="#">BRY420P9W</a>     |
|                    | 3Ø 480VAC         | 10                | <a href="#">BRY420MI7W</a>   | <a href="#">BRY420P7W</a>     |
| 30                 | 120VAC            | 2                 | <a href="#">BRY330MI4W</a>   | <a href="#">BRY330P4W</a>     |
|                    | 240VAC            | 3 (208-240V AC)   | <a href="#">BRY330MI6W</a>   | <a href="#">BRY330P6W</a>     |
|                    | 480VAC            | 7.5               | <a href="#">BRY330MI7W</a>   | <a href="#">BRY330P7W *</a>   |
|                    | 120/240 VAC       | 3 (208-240V AC)   | <a href="#">BRY430MI12W</a>  | <a href="#">BRY430P12W *</a>  |
|                    | 3Ø 600VAC         | 20                | <a href="#">BRY430MI5W</a>   | <a href="#">BRY430P5W</a>     |
|                    | 3Ø 480VAC         | 15                | <a href="#">BRY430MI7W</a>   | <a href="#">BRY430P7W</a>     |
|                    | 3Ø 250VAC         | 7.5               | <a href="#">BRY430MI9W</a>   | <a href="#">BRY430P9W</a>     |
|                    | 3ØY 277/480 VAC   | 15                | <a href="#">BRY530MI7W</a>   | <a href="#">BRY530P7W</a>     |
| 60                 | 240VAC            | 7.5 (208-240 VAC) | <a href="#">BRY360MI6W</a>   | <a href="#">BRY360P6W</a>     |
|                    | 120/240 VAC       | 7.5 (208-240V AC) | <a href="#">BRY460MI12W</a>  | <a href="#">BRY460P12W *</a>  |
|                    | 3Ø 600VAC         | 40                | <a href="#">BRY460MI5W</a>   | <a href="#">BRY460P5W</a>     |
|                    | 3Ø 480VAC         | 30                | <a href="#">BRY460MI7W</a>   | <a href="#">BRY460P7W</a>     |
|                    | 3Ø 250VAC         | 15                | <a href="#">BRY460MI9W</a>   | <a href="#">BRY460P9W</a>     |
|                    | 3ØY 277/480 VAC   | 30                | <a href="#">BRY560MI7W</a>   | <a href="#">BRY560P7W</a>     |
|                    | 3ØY 120/208 VAC   | 15                | <a href="#">BRY560MI9W</a>   | <a href="#">BRY560P9W</a>     |
| 100                | 120/240 VAC       | 15                | <a href="#">BRY4100MI12W</a> | <a href="#">BRY4100P12W *</a> |
|                    | 3Ø 600VAC         | 50                | <a href="#">BRY4100MI5W</a>  | <a href="#">BRY4100P5W</a>    |
|                    | 3Ø 480VAC         | 50                | <a href="#">BRY4100MI7W</a>  | <a href="#">BRY4100P7W</a>    |
|                    | 3Ø 250VAC         | 25 (208-240 VAC)  | <a href="#">BRY4100MI9W</a>  | <a href="#">BRY4100P9W</a>    |
|                    | 3ØY 120/208 VAC   | 20                | <a href="#">BRY5100MI9W</a>  | <a href="#">BRY5100P9W</a>    |

\* Not currently offered by AutomationDirect

## Ground Connections



# Bryant Pin and Sleeve Mechanical Interlocks Accessories

## Bryant Unfused Pin and Sleeve Mechanical Interlock Accessories Selection Guide

| Part Number                         | Price    | Description                                                                                                                                                                                                                                                   | Drawing                    |
|-------------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| <a href="#"><u>BRYAUX1</u></a>      | \$31.00  | Field installable auxiliary contact, side mount, (1) N.O./(1) N.C. contact, 10A @ 600 VAC/2.5A @ 600 VDC, screw terminal. For use with Bryant pin and sleeve mechanical interlocks 20-100A. Break after main break. Hubbell part number HBLAC1                | <a href="#"><u>PDF</u></a> |
| <a href="#"><u>BRYAUX2</u></a>      | \$31.00  | Field installable auxiliary contact, side mount, (1) N.O. contact, 10A @ 600 VAC/2.5A @ 600 VDC, screw terminal. For use with Bryant pin and sleeve mechanical interlocks 20-100A. Break before main break. Hubbell part number HBLAC2. For VFD applications. | <a href="#"><u>PDF</u></a> |
| <a href="#"><u>BRYMIRS20</u></a>    | \$64.00  | Disconnect switch, replacement, 3-pole, 20A. For use with 20A Bryant pin and sleeve mechanical interlocks. Hubbell part number HBLDS3RS.                                                                                                                      | <a href="#"><u>PDF</u></a> |
| <a href="#"><u>BRYMIRS30</u></a>    | \$145.00 | Disconnect switch, replacement, 3-pole, 30A. For use with 30A Bryant pin and sleeve mechanical interlocks. Hubbell part number HBL30MIRS.                                                                                                                     | <a href="#"><u>PDF</u></a> |
| <a href="#"><u>BRYMIRS60100</u></a> | \$210.00 | Disconnect switch, replacement, 3-pole, 100A. For use with 60 & 100A Bryant pin and sleeve mechanical interlocks. Hubbell part number HBLDS60100RS.                                                                                                           | <a href="#"><u>PDF</u></a> |
| <a href="#"><u>BRYRPLCFT</u></a>    | \$19.00  | Mounting feet, replacement. Package of 10 feet and 10 screws. For use with Bryant pin and sleeve mechanical interlocks 20-100A. Hardware included.                                                                                                            | <a href="#"><u>PDF</u></a> |



[BRYAUX1](#)



[BRYAUX2](#)



[BRYRPLCFT](#)



[BRYMIRS20](#)



[BRYMIRS30](#)



[BRYMIRS60100](#)