

# Technical Specifications Watertight Pin & Sleeve Non-Fusible Mechanical Interlock

20, 30, 60 & 100A

### Typical Specifications

Manufacturer's Identification: Pass & Seymour/Legrand PS560MIR5W  
 Description: Non-Fusible Pin & Sleeve Mechanical Interlock  
 Electrical Type: 3 Pole + Neutral + Earth  
 Rating: 60A, 3ø, 600VAC 15 HP standard, 40 HP maximum  
 Configuration: IEC Clock Position 5  
 Enclosure Type: NEMA 4X (watertight, hosedown), 12K (dusttight, falling dirt), IP67 suitability  
 Conduit Location: Top or bottom feed. Unit shipped with no holes drilled; a top and bottom feed spot drill is provided for locating hole saw or knockout. End user decides at installation whether top or bottom feed is appropriate. No closure plug kits required.

| Amps | Catalog Number                       | Voltage/Color Coding | Horsepower Rating                  |
|------|--------------------------------------|----------------------|------------------------------------|
| 20   | <input type="checkbox"/> PS420MIR12W | 120/240VAC           | 1 HP @ 120V<br>2 HP @ 208-240V L-L |
| 20   | <input type="checkbox"/> PS420MIR9W  | 3ø 240VAC            | 5                                  |
| 20   | <input type="checkbox"/> PS420MIR7W  | 3ø 480VAC            | 10                                 |
| 20   | <input type="checkbox"/> PS420MIR5W  | 3ø 600VAC            | 15                                 |

| Amps | Catalog Number                       | Voltage/Color Coding | Horsepower Rating            |
|------|--------------------------------------|----------------------|------------------------------|
| 30   | <input type="checkbox"/> PS330MIR4W  | 120VAC               | 2                            |
| 30   | <input type="checkbox"/> PS430MIR12W | 120/250VAC           | 2 @ 120V<br>3 @ 208-240V L-L |
| 30   | <input type="checkbox"/> PS430MIR9W  | 3ø 240VAC            | 7.5                          |
| 30   | <input type="checkbox"/> PS430MIR7W  | 3ø 480VAC            | 15                           |
| 30   | <input type="checkbox"/> PS430MIR5W  | 3ø 600VAC            | 20                           |
| 30   | <input type="checkbox"/> PS430MIR3W  | 3ø 440VAC            | 15                           |
| 30   | <input type="checkbox"/> PS530MIR9W  | 3øY 120/208VAC       | 5                            |
| 30   | <input type="checkbox"/> PS530MIR7W  | 3øY 277/480VAC       | 15                           |
| 30   | <input type="checkbox"/> PS530MIR5W  | 3øY 347/600          | 20                           |

| Amps | Catalog Number                       | Voltage/Color Coding | Horsepower Rating                |
|------|--------------------------------------|----------------------|----------------------------------|
| 60   | <input type="checkbox"/> PS360MIR6W  | 240VAC               | 7.5 @ 208-240V                   |
| 60   | <input type="checkbox"/> PS360MIR7W  | 480VAC               |                                  |
| 60   | <input type="checkbox"/> PS460MIR12W | 120/240VAC           | 3 @ 120V<br>7.5 @ 208-240VAC L-L |
| 60   | <input type="checkbox"/> PS460MIR9W  | 3ø 240VAC            | 15                               |
| 60   | <input type="checkbox"/> PS460MIR7W  | 3ø 480VAC            | 30                               |
| 60   | <input type="checkbox"/> PS460MIR5W  | 3ø 600VAC            | 40                               |
| 60   | <input type="checkbox"/> PS560MIR9W  | 3øY 120/208VAC       | 15                               |
| 60   | <input type="checkbox"/> PS560MIR7W  | 3øY 277/480VAC       | 30                               |
| 60   | <input type="checkbox"/> PS560MIR5W  | 3øY 347/600VAC       | 40                               |

| Amps | Catalog Number                        | Voltage/Color Coding | Horsepower Rating                          |
|------|---------------------------------------|----------------------|--|
| 100  | <input type="checkbox"/> PS3100MIR6W  | 240VAC               | 10 @ 208V<br>15 @ 240V                     |
| 100  | <input type="checkbox"/> PS3100MIR7W  | 480VAC               | 30   |
| 100  | <input type="checkbox"/> PS4100MIR5W  | 3ø 600VAC            | 50   |
| 100  | <input type="checkbox"/> PS4100MIR7W  | 3ø 480VAC            | 50   |
| 100  | <input type="checkbox"/> PS4100MIR9W  | 3ø 240VAC            | 25   |
| 100  | <input type="checkbox"/> PS4100MIR12W | 120/240VAC           | 5 @ 120V<br>10 @ 208V L-L<br>15 @ 240V L-L |
| 100  | <input type="checkbox"/> PS5100MIR5W  | 3øY 347/600VAC       | 50   |
| 100  | <input type="checkbox"/> PS5100MIR7W  | 3øY 277/480VAC       | 50   |
| 100  | <input type="checkbox"/> PS5100MIR9W  | 3øY 120/208VAC       | 20   |



|               |
|---------------|
| Project       |
| Location/Type |

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Pass & Seymour



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Technical Specifications

Non-Fusible Mechanical Interlock

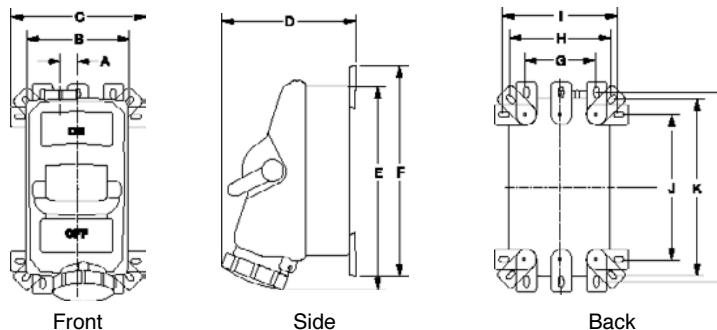
| Materials                   |   |
|-----------------------------|---|
| Enclosure Cover             | Valox 357®  |
| Enclosure Base              | Valox 357®  |
| Enclosure Gasket            | Neoprene  |
| Switch Handle               | Valox 357®  |
| Switch Handle Seal          | Neoprene  |
| Shaft                       | Brass   |
| Gear Mechanism              | 1/8" Zinc-Plated Steel  |
| Locktab                     | 10% Glass-Filled Nylon  |
| Switch Key                  | 10% Glass-Filled Nylon  |
| Mounting Feet               | Valox 357®  |
| Mounting Feet Screws        | 300 Series Stainless Steel  |
| Enclosure Assembly Screws   | 300 Series Stainless Steel  |
| Enclosure Assembly Inserts  | Brass   |
| Receptacle Lid              | Valox 357®  |
| Receptacle Gasketing        | Neoprene  |
| Receptacle Lid Hinge Spring | 300 Series Stainless Steel  |
| Receptacle Contact Carrier  | Polyamide 6   |
| Receptacle Sleeves          | Brass/Nickel-Plate  |
| Receptacle Terminal Screws  | Zinc-Plated Steel   |
| Grounding Plate             | Zinc-Plated Steel   |
| Cover Chain                 | 300 Series Stainless Steel  |
| Conduit Hub                 | Aluminum/Zinc<br>20/30 amp shipped with one (1) 1"<br>60 amp shipped with one (1) 1¼"<br>100 amp shipped with one (1) 1½"<br>(will also fit a 2" hub, not provided) |

| Performance                    |   |
|--------------------------------|---|
| <b>Electrical</b>              |   |
| Dielectric Voltage Withstand   | 3000V minimum   |
| Maximum Working Voltage        | 600V RMS  |
| Current Interrupting           | Listed for current interrupting at full-rated current and voltage   |
| Short Circuit Withstand Rating | For use on circuit capable of delivering not more than 10,000 RMS amps at receptacle voltage rating   |
| Operations                     | Mechanical: 15,000 cycles<br>Electrical: 10,000 cycles  |
| Auxiliary Contacts             | 10A @ 600V<br>1 N.O. & 1 N.C.   |
| <b>Mechanical</b>              |   |
| Impact Resistance              | Per UL746C  |
| Terminal Identification        | Per UL, CSA, and IEC specifications   |
| Product Identification         | Identification and rating on external and internal labels   |
| Mounting                       | External adjustable feet with five (5) positions.<br>Can be mounted directly to channel or strut (no washer required)   |
| <b>Environmental</b>           |   |
| Moisture Resistance            | Per UL50, section 35, NEMA Enclosure Type 4X (watertight, hosedown)<br>Per UL50, section 35, NEMA Enclosure Type 12K (dusttight, falling dirt) IP67 suitability |
| Flammability                   | UL94 5VA and VO Classification  |
| Operating Temperature          | Maximum continuous: +60°C<br>Minimum continuous: -50°C without impact   |
| UV Resistance                  | All enclosure materials are UV stable   |

## Non-Fusible Mechanical Interlock Dimensions

| Amps | A    | B    | C    | D    | E     | F     | G    | H    | I    | J    | K     | L     |
|------|------|------|------|------|-------|-------|------|------|------|------|-------|-------|
| 20   | 1.38 | 6.88 | 9.13 | 8.00 | 12.38 | 11.06 | 4.75 | 6.88 | 7.75 | 8.00 | 10.13 | 11.00 |
| 30   | 1.38 | 6.88 | 9.13 | 8.25 | 12.38 | 11.50 | 4.75 | 6.88 | 7.75 | 8.00 | 10.13 | 11.00 |
| 60   | 1.19 | 6.88 | 9.13 | 9.00 | 13.63 | 14.13 | 4.75 | 6.88 | 7.75 | 9.75 | 11.88 | 12.75 |
| 100  | 1.19 | 6.88 | 9.13 | 9.50 | 14.13 | 14.13 | 4.75 | 6.88 | 7.75 | 9.75 | 11.88 | 12.75 |

All measurements shown in inches.



(See dimensions above.)

Front

Side

Back

|               |
|---------------|
| Project       |
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