

# Pin & Sleeve Devices International Watertight & Splashproof Devices Ordering Information

## International Product Offering

|                 |               |             |                             | Watertight (IP67 Suitability) |            |       |           |       |                       | Splashproof (IP44 Suitability) |            |       |           |        |                       |
|-----------------|---------------|-------------|-----------------------------|-------------------------------|------------|-------|-----------|-------|-----------------------|--------------------------------|------------|-------|-----------|--------|-----------------------|
| Poles & Wires   | Configuration |             | Voltage/<br>Color<br>Coding |                               |            |       |           |       |                       |                                |            |       |           |        |                       |
|                 | Recep./ Conn. | Plug/ Inlet |                             | Surface Receptacle            | Receptacle | Plug  | Connector | Inlet | Non-Metallic Back Box | Surface Receptacle             | Receptacle | Plug  | Connector | Inlet  | Non-Metallic Back Box |
| <b>16 Amps</b>  |               |             |                             |                               |            |       |           |       |                       |                                |            |       |           |        |                       |
| 2P3W            |               |             | 110/120                     | 51925                         | 51925      | 51955 | 51985     |       | 52029                 | 51920                          | 51920      | 51940 | 51980     | 51970* | 52029                 |
| 2P3W            |               |             | 220/240                     | 51126                         | 51126      | 52046 | 52086     |       | 52029                 | 52022                          | 52022      | 52042 | 52082     | 52172* | 52029                 |
| 2P3W            |               |             | 380/415                     |                               |            |       |           |       |                       | 52222                          | 52222      | 52242 | 52282     | 52272* | 52029                 |
| 3P4W            |               |             | 220/240                     |                               |            |       |           |       |                       | 52023                          | 52023      | 52043 | 52083     | 52073* | 52229                 |
| 3P4W            |               |             | 380/415                     | 52227                         | 52227      | 52247 | 52287     |       | 52229                 | 52223                          | 52223      | 52243 | 52283     | 52173* | 52229                 |
| 3P4W            |               |             | 440                         |                               |            |       |           |       |                       | 52310                          | 52310      | 52311 | 52312     |        | 52229                 |
| 3P4W            |               |             | 500                         |                               |            |       |           |       |                       | 52320                          | 52320      | 52321 | 52322     |        | 52229                 |
| 4P5W            |               |             | 220/240                     |                               |            |       |           |       |                       | 52024                          | 52024*     | 52044 | 52084     | 52074* | 52229                 |
| 4P5W            |               |             | 220/380<br>240/415          | 51131                         | 51131      | 51161 | 51181     |       | 52229                 | 52224                          | 52224      | 52244 | 52284     | 52174  | 52229                 |
| <b>32 Amps</b>  |               |             |                             |                               |            |       |           |       |                       |                                |            |       |           |        |                       |
| 2P3W            |               |             | 110/120                     | 51926                         | 51926      | 51946 | 51986     |       |                       |                                |            |       |           | 51972* |                       |
| 2P3W            |               |             | 220/240                     | 52726                         | 52726      | 52746 | 52786     |       |                       | 52722                          | 52722      | 52742 | 52782     | 52872* |                       |
| 2P3W            |               |             | 380/415                     |                               |            |       |           |       |                       | 52922                          | 52922      | 52942 | 52982     | 52972* |                       |
| 3P4W            |               |             | 220/240                     |                               |            |       |           |       |                       | 52723                          | 52723      | 52743 | 52783     | 52773* |                       |
| 3P4W            |               |             | 380/415                     | 52927                         | 52927      | 52947 | 52987     |       |                       | 52923                          | 52923      | 52943 | 52983     | 52873* |                       |
| 3P4W            |               |             | 440                         |                               |            |       |           |       |                       | 52350                          | 52350      | 52351 | 52352     |        |                       |
| 3P4W            |               |             | 500                         |                               |            |       |           |       |                       | 52360                          | 52360      | 52361 | 52362     |        |                       |
| 4P5W            |               |             | 220/240                     |                               |            |       |           |       |                       | 52724                          | 52724      | 52744 | 52784     | 52774* |                       |
| 4P5W            |               |             | 220/380<br>240/415          | 52928                         | 52928      | 52948 | 52988     |       |                       | 52924                          | 52924      | 52944 | 52984     | 52874* |                       |
| <b>63 Amps</b>  |               |             |                             |                               |            |       |           |       |                       |                                |            |       |           |        |                       |
| 2P3W            |               |             | 110/120                     |                               |            |       |           |       |                       | 53522                          | 53542**    | 53582 |           |        | 53889                 |
| 2P3W            |               |             | 220/240                     | 53636**                       | 53626      | 53646 | 53686     |       | 53889                 | 53722                          | 53622**    | 53642 | 53682     | 53772* | 53889                 |
| 3P4W            |               |             | 220/240                     | 53637**                       | 53627      | 53647 | 53687     |       | 53889                 | 53633                          | 53623**    | 53643 | 53683     |        | 53889                 |
| 3P4W            |               |             | 380/415                     | 53837**                       | 53827      | 53847 | 53887     |       | 53889                 | 53723                          | 53823**    | 53843 | 53883     | 53773* | 53889                 |
| 3P4W            |               |             | 500                         | 53737**                       | 53727      | 53747 | 53787     |       | 53889                 |                                |            |       |           |        | 53889                 |
| 4P5W            |               |             | 220/240                     | 53638**                       | 53628      | 53648 | 53688     |       | 53889                 | 53634                          | 53624**    | 53644 | 53684     |        | 53889                 |
| 4P5W            |               |             | 220/380<br>240/415          | 53838**                       | 53828      | 53848 | 53888     |       | 53889                 | 53724                          | 53824**    | 53844 | 53884     | 53774* | 53889                 |
| <b>125 Amps</b> |               |             |                             |                               |            |       |           |       |                       |                                |            |       |           |        |                       |
| 3P4W            |               |             | 380/415                     | 59102**                       | 59112      | 59122 | 59132     | 59142 |                       |                                |            |       |           |        |                       |
| 4P5W            |               |             | 220/380<br>240/0/41         | 59103**                       | 59113      | 59123 | 59133     | 59143 |                       |                                |            |       |           |        |                       |

\*Use with Back Box listed for surface mounting. Refer to chart on J-31.

\*\*Complete unit sold with receptacle and surface mount box.



















Additional international configuration available — consult Factory Export Department.

# Pin & Sleeve Devices Special Voltages & Frequencies

Pass & Seymour



## Special Voltages and Frequencies

| <b>IP44</b><br>Suitability |   |   |                       | Splashproof   |   |   |   |                    |
|----------------------------|---|---|-----------------------|---|---|---|---|--------------------|
|                            |   |   |                       |  |  |  |  | Surface Receptacle |
| Poles & Wires              | Recep./ Conn.   | Plug/ Inlet   | Voltage/ Color-Coding |   |   |   |   |                    |
| <b>16 Amps</b>             |   |   |                       |   |   |   |   |                    |
| 2P                         |  |  | 24V                   |   |   |   | 52421   |                    |
| 2P                         |  |  | 42VDC                 |   |   |   |   |                    |
| 3P                         |  |  | 24V                   | 52402*  | 52402   |   |   |                    |
| 3P4W                       |  |  | 50-500V<br>100/300Hz  |   |   |   |   |                    |
| <b>32 Amps</b>             |   |   |                       |   |   |   |   |                    |
| 2P                         |  |  | 24V                   |   |   |   |   |                    |
| 2P                         |  |  | 42V                   |   |   |   |   |                    |
| 3P4W                       |  |  | 50-500V<br>100/300Hz  |   |   |   | 52371   |                    |

\* Use with Back Box listed below for surface mounting.

Additional international configuration available—consult Factory Export Department.

| Size  |       |
|---|-------|
| <b>Back Box for IP67 &amp; IP44 Non-Metallic Inlets and Receptacles</b> |       |
| 16A: 2P3W   | 52079 |
| 16A: 3P4W, 4P5W   | 52279 |
| 63A: All  | 53879 |

| Device Type                              | Adapter Plate Leviton, Crouse Hinds/Appleton | Device Type          | Adapter Plate Hubbell |
|--|--|----------------------|-----------------------|
| <b>Competitor Back Box Adapter Plate</b> |  |                      |                       |
| 20A 3 Wire                               | PSAP320CA                                    | 20A 3 Wire           | PSAP320HBL            |
| 20A 4, 5 Wire                            | PSAP4520CA                                   | 20A 4 Wire           | PSAP420HBL            |
| All 30A                                  | PSAP30CA                                     | 20A 5 Wire & All 30A | PSAP52030HBL          |
| All 60A                                  |  | All 60A              | PSAP60HB              |

# Pin & Sleeve Devices Splashproof Dimensional Information

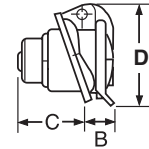
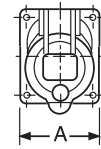
Pass & Seymour



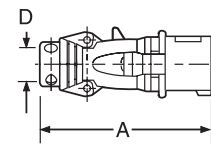
IEC Pin & Sleeve Devices

## 16/20 & 30/32 Amp Splashproof Devices/Dimensional Information

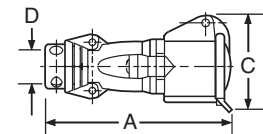
| Amps                           | Wire Configurations | A    | B    | C    | D       | E    | F    |
|--------------------------------|---------------------|------|------|------|---------|------|------|
| <b>Splashproof Receptacles</b> |                     |      |      |      |         |      |      |
| 16/20                          | 2 Pole, 3 Wire      | 2.50 | 1.57 | 1.60 | 3.10    | 2.05 | 2.36 |
|                                | 3 Pole, 4 Wire      | 2.90 | 1.57 | 1.73 | 3.46    | 2.36 | 2.75 |
|                                | 4 Pole, 5 Wire      | 2.90 | 1.73 | 1.73 | 3.66    | 2.36 | 2.75 |
| 30/32                          | 2 Pole, 3 Wire      | 3.30 | 2.10 | 1.97 | 4.06    | 2.75 | 3.15 |
|                                | 3 Pole, 4 Wire      | 3.30 | 2.10 | 1.97 | 4.06    | 2.75 | 3.15 |
|                                | 4 Pole, 5 Wire      | 3.30 | 2.20 | 2.05 | 4.20    | 2.75 | 3.15 |
| <b>Splashproof Plugs</b>       |                     |      |      |      |         |      |      |
| 16/20                          | 2 Pole, 3 Wire      | 5.30 | 2.17 |      | .31-.59 |      |      |
|                                | 3 Pole, 4 Wire      | 5.50 | 2.36 |      | .31-.59 |      |      |
|                                | 4 Pole, 5 Wire      | 6.00 | 2.60 |      | .39-.71 |      |      |
| 30/32                          | 2 Pole, 3 Wire      | 6.50 | 2.78 |      | .39-.71 |      |      |
|                                | 3 Pole, 4 Wire      | 6.50 | 2.78 |      | .47-.87 |      |      |
|                                | 4 Pole, 5 Wire      | 6.70 | 3.03 |      | .47-.87 |      |      |
| <b>Splashproof Connectors</b>  |                     |      |      |      |         |      |      |
| 16/20                          | 2 Pole, 3 Wire      | 5.79 | 2.15 | 2.91 | .31-.59 |      |      |
|                                | 3 Pole, 4 Wire      | 5.94 | 2.42 | 3.19 | .31-.59 |      |      |
|                                | 4 Pole, 5 Wire      | 6.77 | 2.73 | 3.54 | .39-.71 |      |      |
| 30/32                          | 2 Pole, 3 Wire      | 6.97 | 2.80 | 3.66 | .39-.71 |      |      |
|                                | 3 Pole, 4 Wire      | 6.97 | 2.80 | 3.66 | .47-.87 |      |      |
|                                | 4 Pole, 5 Wire      | 7.20 | 3.05 | 3.94 | .47-.87 |      |      |
| <b>Splashproof Inlets</b>      |                     |      |      |      |         |      |      |
| 16/20                          | 2 Pole, 3 Wire      | 2.83 | 3.07 |      |         | 2.44 | 3.70 |
|                                | 3 Pole, 4 Wire      | 3.70 | 3.39 |      |         | 3.27 | 4.29 |
|                                | 4 Pole, 5 Wire      | 3.70 | 3.39 |      |         | 3.27 | 4.29 |
| 30/32                          | 2 Pole, 3 Wire      | 3.98 | 4.37 |      |         | 3.54 | 5.86 |
|                                | 3 Pole, 4 Wire      | 3.98 | 4.37 |      |         | 3.54 | 5.86 |
|                                | 4 Pole, 5 Wire      | 3.98 | 4.25 |      |         | 3.54 | 5.86 |



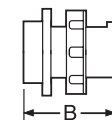
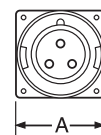
Receptacles



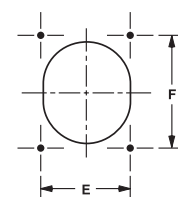
Plugs



Connectors



Inlets



Receptacle/Inlet  
Drilling Pattern

## 60/63 Amp Splashproof Devices/Dimensional Information

| Amps                           | Wire Configurations | A     | B    | C    | D        | E    | F    |
|--------------------------------|---------------------|-------|------|------|----------|------|------|
| <b>Splashproof Receptacles</b> |                     |       |      |      |          |      |      |
| 60/63                          | 2 Pole, 3 Wire      | 4.20  | 3.50 | 2.76 | 5.08     | 3.03 | 3.35 |
|                                | 3 Pole, 4 Wire      | 4.20  | 3.50 | 2.76 | 5.08     | 3.03 | 3.35 |
|                                | 4 Pole, 5 Wire      | 4.20  | 3.50 | 2.76 | 5.08     | 3.03 | 3.35 |
| <b>Splashproof Plugs</b>       |                     |       |      |      |          |      |      |
| 60/63                          | 2 Pole, 3 Wire      | 10.00 | 4.02 |      | .63-1.04 |      |      |
|                                | 3 Pole, 4 Wire      | 10.00 | 4.02 |      | .73-1.14 |      |      |
|                                | 4 Pole, 5 Wire      | 10.00 | 4.02 |      | .80-1.26 |      |      |
| <b>Splashproof Connectors</b>  |                     |       |      |      |          |      |      |
| 60/63                          | 2 Pole, 3 Wire      | 10.75 | 3.78 | 4.67 | .63-1.04 |      |      |
|                                | 3 Pole, 4 Wire      | 10.75 | 3.78 | 4.67 | .73-1.14 |      |      |
|                                | 4 Pole, 5 Wire      | 10.75 | 3.78 | 4.67 | .80-1.26 |      |      |
| <b>Splashproof Inlets</b>      |                     |       |      |      |          |      |      |
| 60/63                          | 2 Pole, 3 Wire      | 4.50  | 4.25 |      |          | 3.03 | 3.35 |
|                                | 3 Pole, 4 Wire      | 4.50  | 4.25 |      |          | 3.03 | 3.35 |
|                                | 4 Pole, 5 Wire      | 4.50  | 4.25 |      |          | 3.03 | 3.35 |

All measurements shown in inches.

Splashproof Dimensional Information

# Pin & Sleeve Devices

## Watertight & Splashproof Material & Performance

### Pin & Sleeve Product Specifications

|                              | 16/20 Amp              | 30/32 Amp              | 60/63 Amp            | 100/125 Amp          |
|------------------------------|------------------------|------------------------|----------------------|----------------------|
| <b>Receptacles</b>           |                        |                        |                      |                      |
| Housing                      | Polyamide 6            | Polyamide 6            | Valox                | Valox                |
| Cover                        | Polyamide 66           | Polyamide 66           | Valox                | Valox                |
| Cover Spring                 | Stainless Steel        | Stainless Steel        | Stainless Steel      | Stainless Steel      |
| Sealing Gasket†              | Neoprene               | Neoprene               | Neoprene             | Neoprene             |
| Mounting Gasket              | Neoprene               | Neoprene               | Neoprene             | Neoprene             |
| Contact Carrier              | Polyamide 6            | Polyamide 6            | Polyamide 6          | Polyamide 6          |
| Sleeves                      | Brass w/Nickel Plate*† | Brass w/Nickel Plate*† | Brass w/Nickel Plate | Brass w/Nickel Plate |
| Terminal Screws              | Zinc-Plated Steel      | Zinc-Plated Steel      | Zinc-Plated Steel    | Zinc-Plated Steel    |
| <b>Inlets</b>                |                        |                        |                      |                      |
| Housing                      | Polyamide 6            | Polyamide 6            | Valox                | Valox                |
| Mounting Flange              | Polyamide 6            | Polyamide 6            | Valox                | Valox                |
| Locking Ring*†               | Polyamide 66           | Polyamide 66           | Valox                | Valox                |
| Sealing Gasket†              | Neoprene               | Neoprene               | Neoprene             | Neoprene             |
| Mounting Gasket              | Neoprene               | Neoprene               | Neoprene             | Neoprene             |
| Contact Carrier              | Polyamide 6            | Polyamide 6            | Polyamide 6          | Polyamide 6          |
| Pins                         | Brass w/Nickel Plate*† | Brass w/Nickel Plate*† | Brass w/Nickel Plate | Brass w/Nickel Plate |
| Terminal Screws              | Zinc-Plated Steel      | Zinc-Plated Steel      | Zinc-Plated Steel    | Zinc-Plated Steel    |
| <b>Plugs</b>                 |                        |                        |                      |                      |
| Housing                      | Polyamide 6            | Polyamide 6            | Valox                | Valox                |
| Locking Ring*†               | Polyamide 66           | Polyamide 66           | Valox                | Valox                |
| Sealing Gasket†              | Neoprene               | Neoprene               | Neoprene             | Neoprene             |
| Housing Gasket               | Neoprene               | Neoprene               | Neoprene             | Neoprene             |
| Back Body                    | Polyamide 6            | Polyamide 6            | Valox                | Valox                |
| Contact Carrier              | Polyamide 6            | Polyamide 6            | Polyamide 6          | Polyamide 6          |
| Pins                         | Brass w/Nickel Plate*† | Brass w/Nickel Plate*† | Brass w/Nickel Plate | Brass w/Nickel Plate |
| Terminal Screws              | Zinc-Plated Steel      | Zinc-Plated Steel      | Zinc-Plated Steel    | Zinc-Plated Steel    |
| Cord Grip                    | Polyamide 6            | Polyamide 6            | Polyamide 66         | Polyamide 66         |
| Grommet                      | Natural Rubber         | Natural Rubber         | Natural Rubber       | Natural Rubber       |
| Cord Grip Screws             | Stainless Steel        | Stainless Steel        | Stainless Steel      | Stainless Steel      |
| Assembly Screws              | Stainless Steel        | Stainless Steel        | Stainless Steel      | Stainless Steel      |
| <b>Connectors</b>            |                        |                        |                      |                      |
| Housing                      | Polyamide 6            | Polyamide 6            | Valox                | Valox                |
| Cover                        | Polyamide 66           | Polyamide 66           | Valox                | Valox                |
| Cover Spring                 | Stainless Steel        | Stainless Steel        | Stainless Steel      | Stainless Steel      |
| Sealing Gasket†              | Neoprene               | Neoprene               | Neoprene             | Neoprene             |
| Housing Gasket               | Neoprene               | Neoprene               | Neoprene             | Neoprene             |
| Back Body                    | Polyamide 6            | Polyamide 6            | Valox                | Valox                |
| Contact Carrier              | Polyamide 6            | Polyamide 6            | Polyamide 6          | Polyamide 6          |
| Sleeves                      | Brass w/Nickel Plate*† | Brass w/Nickel Plate*† | Brass w/Nickel Plate | Brass w/Nickel Plate |
| Terminal Screws              | Zinc-Plated Steel      | Zinc-Plated Steel      | Zinc-Plated Steel    | Zinc-Plated Steel    |
| Cord Grip                    | Polyamide 6            | Polyamide 6            | Polyamide 66         | Polyamide 66         |
| Grommet                      | Natural Rubber         | Natural Rubber         | Natural Rubber       | Natural Rubber       |
| Cord Grip Screws             | Stainless Steel        | Stainless Steel        | Stainless Steel      | Stainless Steel      |
| Assembly Screws              | Stainless Steel        | Stainless Steel        | Stainless Steel      | Stainless Steel      |
| <b>Metallic Back Box</b>     |                        |                        |                      |                      |
| Housing                      | Cast Aluminum          |                        |                      |                      |
| Hub                          | Cast Iron              |                        |                      |                      |
| <b>Non-Metallic Back Box</b> |                        |                        |                      |                      |
| Housing                      | Polyamide 6            |                        |                      |                      |
| Hub                          |                        |                        |                      |                      |

† Does not apply to splashproof.

\* 16/20A and 30/32A sleeves and pins on splashproof products are brass only. Splashproof inlets and plugs do not have locking rings.

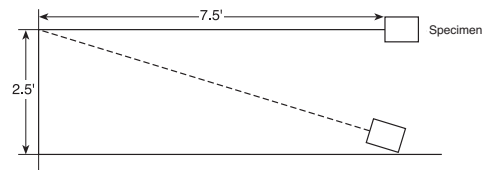
Consult factory for additional details.

### Performance

#### Electrical:

|                              |  |
|------------------------------|--|
| Dielectric Voltage Withstand | 3000V maximum  |
| Maximum Working Voltage      | 600 RMS  |
| Current Interrupting         | Certified for current interrupting at full-rated current   |
| Temperature Rise             | Maximum 30°C temperature rise at full-rated current after 50 cycles of 150% overload (at 0.75 to 0.80 power factor)  |
| Endurance                    | 20 amp: 5000 cycles with full-rated current and voltage<br><br>30, 60, 100 amp: 2000 cycles with full-rated current and voltage applied on every other cycle |

#### Mechanical:



Impact Resistance Device dropped 8 times from a height of 2.5 feet with 7.5 feet of cord attached (per CSA 182.1)

#### Cord Grip Retention

|      | Force, Lbs.** | Torque, Ft.lbs.** |
|------|---------------|-------------------|
| 20A  | 30            | 0.4               |
| 30A  | 75            | 0.5               |
| 60A  | 150           | 1.0               |
| 100A | 150           | 1.0               |

\*\*Applied to minimum recommended cable size.

|                         |   |
|-------------------------|---|
| Cord Accommodation      | Round portable service cords<br><br>Diameters commensurate with the device rating as defined in UL62, CSA C22.2, No. 49, and the harmonized (HAR) European Standard |
| Terminal Identification | Identified in accordance with North American convention, UL1682, and IEC 309-1, 309-2   |
| Product Identification  | Identification and ratings are labeled on the device housing  |

#### Environmental:

|                       |   |
|-----------------------|---|
| Moisture Resistance   | Per IEC 309-1   |
| Flammability          | Contact with live parts:<br>V2 or V0 Enclosure: HB or better per UL94 |
| Operating Temperature | +80°C maximum continuous;<br>-50°C minimum without impact             |

## Watertight Pin & Sleeve Plugs

20, 30, 60 & 100A

### Typical Specifications

Manufacturer's Identification: Pass & Seymour/Legrand PS460P7-W

Description: Plug, Power Supply

Type: 3 Pole, 4 Wire Grounding

Rating: 60A, 3 Phase 480VAC

Configuration: IEC 309-2, Clock Position 7, Watertight (IP67)

3rd Party Compliance: UL Listed to UL Standard 1682; CSA Certified to CSA 22.2 No. 182.2; UL Classified to IEC 309-1 and IEC 309-2

## Watertight Pin & Sleeve Connectors

20, 30, 60 & 100A

### Typical Specifications

Manufacturer's Identification: Pass & Seymour/Legrand PS460C7-W

Description: Connector, Power Supply

Type: 3 Pole, 4 Wire Grounding

Rating: 60A, 3 Phase 480VAC

Configuration: IEC 309-2, Clock Position 7, Watertight (IP67)

3rd Party Compliance: UL Listed to UL Standard 1682; CSA Certified to CSA 22.2 No. 182.2; UL Classified to IEC 309-1 and IEC 309-2

## Splashproof Pin & Sleeve Plugs

20, 30 & 60A

### Typical Specifications

Manufacturer's Identification: Pass & Seymour/Legrand PS460P7-S

Description: Plug, Power Supply

Type: 3 Pole, 4 Wire Grounding

Rating: 60A, 3 Phase 480VAC

Configuration: IEC 309-2, Clock Position 7, Splashproof (IP44)

3rd Party Compliance: UL Listed to UL Standard 1682; CSA Certified to CSA 22.2 No. 182.2; UL Classified to IEC 309-1 and IEC 309-2

## Splashproof Pin & Sleeve Connectors

20, 30 & 60A

### Typical Specifications

Manufacturer's Identification: Pass & Seymour/Legrand PS460C7-S

Description: Connector, Power Supply

Type: 3 Pole, 4 Wire Grounding

Rating: 60A, 3 Phase 480VAC

Configuration: IEC 309-2, Clock Position 7, Splashproof (IP44)

3rd Party Compliance: UL Listed to UL Standard 1682; CSA Certified to CSA 22.2 No. 182.2; UL Classified to IEC 309-1 and IEC 309-2

### IP Suitability Rating

IP Suitability Ratings are an international system for classifying the degree of protection provided by enclosures of electrical equipment. The higher the number, the greater the degree of protection; they apply ONLY to properly installed equipment. The numerals stand for the following:

1. First Number: Degree of protection for persons against access to hazardous parts inside the enclosure and/or against solid bodies.
2. Second Number: Degree of protection of equipment inside enclosures against damage from the ingress of water.

| IEC Enclosure Classification Designation |  |  |
|--|--|--|
| Code Letters                             | First Number   | Second Number  |
| Ingress Protection                       | Against Ingress of Solid Bodies  | Against Ingress of Water with Harmful Effects  |
| IP                                       | 0 - Nonprotected<br>1 - $\geq$ 50 mm diameter<br>2 - $\geq$ 12.5 mm diameter<br>3 - $\geq$ 2.5 mm diameter<br>4 - $\geq$ 1.0 mm<br>5 - Dust-protected<br>6 - Dusttight | 0 - Nonprotected<br>1 - Vertically dripping<br>2 - Dripping (15° Tilted)<br>3 - Spraying<br>4 - Splashing<br>5 - Jetting<br>6 - Power jetting<br>7 - Temporary immersion<br>8 - Continuous immersion |

**Note:**  $\geq$  denotes greater than or equal to. Dimensions in millimeters (mm).

**Example: IP44**=Ingress Protection; Solid bodies  $\geq$ 1.0 mm; Splashing

**IP44**  
Suitability

### Conversion Chart

Fractions to Decimals to Millimeters

| Inches Fraction | Decimal | mm     | Inches Fraction | Decimal | mm      | Inches Fraction | Decimal | mm      | Inches Fraction | Decimal | mm      |
|-----------------|---------|--------|-----------------|---------|---------|-----------------|---------|---------|-----------------|---------|---------|
| 1/64            | 0.0156  | 0.3969 | 17/64           | 0.2656  | 6.7469  | 33/64           | 0.5156  | 13.0969 | 49/64           | 0.7656  | 19.4469 |
| 1/32            | 0.0312  | 0.7938 | 9/32            | 0.2812  | 7.1438  | 17/32           | 0.5312  | 13.4938 | 25/32           | 0.7812  | 19.8437 |
| 3/64            | 0.0468  | 1.1906 | 19/64           | 0.2968  | 7.5406  | 35/64           | 0.5468  | 13.8906 | 51/64           | 0.7968  | 20.2406 |
| 1/16            | 0.0625  | 1.5875 | 5/16            | 0.3125  | 7.9375  | 9/16            | 0.5625  | 14.2875 | 13/16           | 0.8125  | 20.6375 |
| 5/64            | 0.0781  | 1.9844 | 21/64           | 0.3281  | 8.3344  | 37/64           | 0.5781  | 14.6844 | 53/64           | 0.8281  | 21.0344 |
| 3/32            | 0.0937  | 2.3812 | 11/32           | 0.3437  | 8.7312  | 19/32           | 0.5937  | 15.0812 | 27/32           | 0.8437  | 21.4312 |
| 7/64            | 0.1093  | 2.7781 | 23/64           | 0.3593  | 9.1281  | 39/64           | 0.6093  | 15.4781 | 55/64           | 0.8593  | 21.8281 |
| 1/8             | 0.1250  | 3.1750 | 3/8             | 0.3750  | 9.5250  | 5/8             | 0.6250  | 15.8750 | 7/8             | 0.8750  | 22.2250 |
| 9/64            | 0.1406  | 3.5719 | 25/64           | 0.3906  | 9.9219  | 41/64           | 0.6406  | 16.2719 | 57/64           | 0.8906  | 22.6219 |
| 5/32            | 0.1562  | 3.9688 | 13/32           | 0.4062  | 10.3188 | 21/32           | 0.6562  | 16.6688 | 29/32           | 0.9062  | 23.0188 |
| 11/64           | 0.1718  | 4.3656 | 27/64           | 0.4218  | 10.7156 | 43/64           | 0.6718  | 17.0656 | 59/64           | 0.9218  | 23.4156 |
| 3/16            | 0.1875  | 4.7625 | 7/16            | 0.4375  | 11.1125 | 11/16           | 0.6875  | 17.4625 | 15/16           | 0.9375  | 23.8125 |
| 13/64           | 0.2031  | 5.1594 | 29/64           | 0.4531  | 11.5094 | 45/64           | 0.7031  | 17.8594 | 61/64           | 0.9531  | 24.2094 |
| 7/32            | 0.2187  | 5.5562 | 15/32           | 0.4687  | 11.9062 | 23/32           | 0.7187  | 18.2562 | 31/32           | 0.9687  | 24.6062 |
| 15/64           | 0.2343  | 5.9531 | 31/64           | 0.4843  | 12.3031 | 47/64           | 0.7343  | 18.6531 | 63/64           | 0.9843  | 25.0031 |
| 1/4             | 0.2500  | 6.3500 | 1/2             | 0.5000  | 12.7000 | 3/4             | 0.7500  | 19.0500 | 1               | 1.0000  | 25.4000 |

# Pin & Sleeve Devices International Watertight & Splashproof Devices Ordering Information

## International Product Offering

|                 |               |            |                      | Watertight (IP67 Suitability) |            |       |           |       |                       | Splashproof (IP44 Suitability) |            |       |           |        |                       |
|-----------------|---------------|------------|----------------------|-------------------------------|------------|-------|-----------|-------|-----------------------|--------------------------------|------------|-------|-----------|--------|-----------------------|
| Poles & Wires   | Configuration |            | Voltage/Color Coding |                               |            |       |           |       |                       |                                |            |       |           |        |                       |
|                 | Recep./Conn.  | Plug/Inlet |                      | Surface Receptacle            | Receptacle | Plug  | Connector | Inlet | Non-Metallic Back Box | Surface Receptacle             | Receptacle | Plug  | Connector | Inlet  | Non-Metallic Back Box |
| <b>16 Amps</b>  |               |            |                      |                               |            |       |           |       |                       |                                |            |       |           |        |                       |
| 2P3W            |               |            | 110/120              | 51925                         | 51925      | 51955 | 51985     |       | 52029                 | 51920                          | 51920      | 51940 | 51980     | 51970* | 52029                 |
| 2P3W            |               |            | 220/240              | 51126                         | 51126      | 52046 | 52086     |       | 52029                 | 52022                          | 52022      | 52042 | 52082     | 52172* | 52029                 |
| 2P3W            |               |            | 380/415              |                               |            |       |           |       |                       | 52222                          | 52222      | 52242 | 52282     | 52272* | 52029                 |
| 3P4W            |               |            | 220/240              |                               |            |       |           |       |                       | 52023                          | 52023      | 52043 | 52083     | 52073* | 52229                 |
| 3P4W            |               |            | 380/415              | 52227                         | 52227      | 52247 | 52287     |       | 52229                 | 52223                          | 52223      | 52243 | 52283     | 52173* | 52229                 |
| 3P4W            |               |            | 440                  |                               |            |       |           |       |                       | 52310                          | 52310      | 52311 | 52312     |        | 52229                 |
| 3P4W            |               |            | 500                  |                               |            |       |           |       |                       | 52320                          | 52320      | 52321 | 52322     |        | 52229                 |
| 4P5W            |               |            | 220/240              |                               |            |       |           |       |                       | 52024                          | 52024*     | 52044 | 52084     | 52074* | 52229                 |
| 4P5W            |               |            | 220/380<br>240/415   | 51131                         | 51131      | 51161 | 51181     |       | 52229                 | 52224                          | 52224      | 52244 | 52284     | 52174  | 52229                 |
| <b>32 Amps</b>  |               |            |                      |                               |            |       |           |       |                       |                                |            |       |           |        |                       |
| 2P3W            |               |            | 110/120              | 51926                         | 51926      | 51946 | 51986     |       |                       |                                |            |       |           | 51972* |                       |
| 2P3W            |               |            | 220/240              | 52726                         | 52726      | 52746 | 52786     |       |                       | 52722                          | 52722      | 52742 | 52782     | 52872* |                       |
| 2P3W            |               |            | 380/415              |                               |            |       |           |       |                       | 52922                          | 52922      | 52942 | 52982     | 52972* |                       |
| 3P4W            |               |            | 220/240              |                               |            |       |           |       |                       | 52723                          | 52723      | 52743 | 52783     | 52773* |                       |
| 3P4W            |               |            | 380/415              | 52927                         | 52927      | 52947 | 52987     |       |                       | 52923                          | 52923      | 52943 | 52983     | 52873* |                       |
| 3P4W            |               |            | 440                  |                               |            |       |           |       |                       | 52350                          | 52350      | 52351 | 52352     |        |                       |
| 3P4W            |               |            | 500                  |                               |            |       |           |       |                       | 52360                          | 52360      | 52361 | 52362     |        |                       |
| 4P5W            |               |            | 220/240              |                               |            |       |           |       |                       | 52724                          | 52724      | 52744 | 52784     | 52774* |                       |
| 4P5W            |               |            | 220/380<br>240/415   | 52928                         | 52928      | 52948 | 52988     |       |                       | 52924                          | 52924      | 52944 | 52984     | 52874* |                       |
| <b>63 Amps</b>  |               |            |                      |                               |            |       |           |       |                       |                                |            |       |           |        |                       |
| 2P3W            |               |            | 110/120              |                               |            |       |           |       |                       | 53522                          | 53542**    | 53582 |           |        | 53889                 |
| 2P3W            |               |            | 220/240              | 53636**                       | 53626      | 53646 | 53686     |       | 53889                 | 53722                          | 53622**    | 53642 | 53682     | 53772* | 53889                 |
| 3P4W            |               |            | 220/240              | 53637**                       | 53627      | 53647 | 53687     |       | 53889                 | 53633                          | 53623**    | 53643 | 53683     |        | 53889                 |
| 3P4W            |               |            | 380/415              | 53837**                       | 53827      | 53847 | 53887     |       | 53889                 | 53723                          | 53823**    | 53843 | 53883     | 53773* | 53889                 |
| 3P4W            |               |            | 500                  | 53737**                       | 53727      | 53747 | 53787     |       | 53889                 |                                |            |       |           |        | 53889                 |
| 4P5W            |               |            | 220/240              | 53638**                       | 53628      | 53648 | 53688     |       | 53889                 | 53634                          | 53624**    | 53644 | 53684     |        | 53889                 |
| 4P5W            |               |            | 220/380<br>240/415   | 53838**                       | 53828      | 53848 | 53888     |       | 53889                 | 53724                          | 53824**    | 53844 | 53884     | 53774* | 53889                 |
| <b>125 Amps</b> |               |            |                      |                               |            |       |           |       |                       |                                |            |       |           |        |                       |
| 3P4W            |               |            | 380/415              | 59102**                       | 59112      | 59122 | 59132     | 59142 |                       |                                |            |       |           |        |                       |
| 4P5W            |               |            | 220/380<br>240/0/41  | 59103**                       | 59113      | 59123 | 59133     | 59143 |                       |                                |            |       |           |        |                       |

\*Use with Back Box listed for surface mounting. Refer to chart on J-31.  
\*\*Complete unit sold with receptacle and surface mount box.

Additional international configuration available — consult Factory Export Department.





















# Pin & Sleeve Devices Special Voltages & Frequencies

Pass & Seymour



## Special Voltages and Frequencies

| <b>IP44</b><br>Suitability |   |   |                       | Splashproof   |   |   |   |                    |
|----------------------------|---|---|-----------------------|---|---|---|---|--------------------|
|                            |   |   |                       |  |  |  |  | Surface Receptacle |
| Poles & Wires              | Recep./ Conn.   | Plug/ Inlet   | Voltage/ Color-Coding |   |   |   |   |                    |
| <b>16 Amps</b>             |   |   |                       |   |   |   |   |                    |
| 2P                         |  |  | 24V                   |   |   |   | 52421   |                    |
| 2P                         |  |  | 42VDC                 |   |   |   |   |                    |
| 3P                         |  |  | 24V                   | 52402*  | 52402   |   |   |                    |
| 3P4W                       |  |  | 50-500V<br>100/300Hz  |   |   |   |   |                    |
| <b>32 Amps</b>             |   |   |                       |   |   |   |   |                    |
| 2P                         |  |  | 24V                   |   |   |   |   |                    |
| 2P                         |  |  | 42V                   |   |   |   |   |                    |
| 3P4W                       |  |  | 50-500V<br>100/300Hz  |   |   |   | 52371   |                    |

\* Use with Back Box listed below for surface mounting.

Additional international configuration available—consult Factory Export Department.

| Size  |       |
|---|-------|
| <b>Back Box for IP67 &amp; IP44 Non-Metallic Inlets and Receptacles</b> |       |
| 16A: 2P3W   | 52079 |
| 16A: 3P4W, 4P5W   | 52279 |
| 63A: All  | 53879 |

| Device Type                              | Adapter Plate Leviton, Crouse Hinds/Appleton | Device Type          | Adapter Plate Hubbell |
|--|--|----------------------|-----------------------|
| <b>Competitor Back Box Adapter Plate</b> |  |                      |                       |
| 20A 3 Wire                               | PSAP320CA                                    | 20A 3 Wire           | PSAP320HBL            |
| 20A 4, 5 Wire                            | PSAP4520CA                                   | 20A 4 Wire           | PSAP420HBL            |
| All 30A                                  | PSAP30CA                                     | 20A 5 Wire & All 30A | PSAP52030HBL          |
| All 60A                                  |  | All 60A              | PSAP60HB              |



# Pin & Sleeve Devices Splashproof Dimensional Information

Pass & Seymour



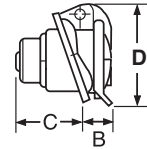
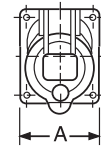
## 16/20 & 30/32 Amp Splashproof Devices/Dimensional Information

| Amps                           | Wire Configurations | A    | B    | C    | D       | E    | F    |
|--------------------------------|---------------------|------|------|------|---------|------|------|
| <b>Splashproof Receptacles</b> |                     |      |      |      |         |      |      |
| 16/20                          | 2 Pole, 3 Wire      | 2.50 | 1.57 | 1.60 | 3.10    | 2.05 | 2.36 |
|                                | 3 Pole, 4 Wire      | 2.90 | 1.57 | 1.73 | 3.46    | 2.36 | 2.75 |
|                                | 4 Pole, 5 Wire      | 2.90 | 1.73 | 1.73 | 3.66    | 2.36 | 2.75 |
| 30/32                          | 2 Pole, 3 Wire      | 3.30 | 2.10 | 1.97 | 4.06    | 2.75 | 3.15 |
|                                | 3 Pole, 4 Wire      | 3.30 | 2.10 | 1.97 | 4.06    | 2.75 | 3.15 |
|                                | 4 Pole, 5 Wire      | 3.30 | 2.20 | 2.05 | 4.20    | 2.75 | 3.15 |
| <b>Splashproof Plugs</b>       |                     |      |      |      |         |      |      |
| 16/20                          | 2 Pole, 3 Wire      | 5.30 | 2.17 |      | .31-.59 |      |      |
|                                | 3 Pole, 4 Wire      | 5.50 | 2.36 |      | .31-.59 |      |      |
|                                | 4 Pole, 5 Wire      | 6.00 | 2.60 |      | .39-.71 |      |      |
| 30/32                          | 2 Pole, 3 Wire      | 6.50 | 2.78 |      | .39-.71 |      |      |
|                                | 3 Pole, 4 Wire      | 6.50 | 2.78 |      | .47-.87 |      |      |
|                                | 4 Pole, 5 Wire      | 6.70 | 3.03 |      | .47-.87 |      |      |
| <b>Splashproof Connectors</b>  |                     |      |      |      |         |      |      |
| 16/20                          | 2 Pole, 3 Wire      | 5.79 | 2.15 | 2.91 | .31-.59 |      |      |
|                                | 3 Pole, 4 Wire      | 5.94 | 2.42 | 3.19 | .31-.59 |      |      |
|                                | 4 Pole, 5 Wire      | 6.77 | 2.73 | 3.54 | .39-.71 |      |      |
| 30/32                          | 2 Pole, 3 Wire      | 6.97 | 2.80 | 3.66 | .39-.71 |      |      |
|                                | 3 Pole, 4 Wire      | 6.97 | 2.80 | 3.66 | .47-.87 |      |      |
|                                | 4 Pole, 5 Wire      | 7.20 | 3.05 | 3.94 | .47-.87 |      |      |
| <b>Splashproof Inlets</b>      |                     |      |      |      |         |      |      |
| 16/20                          | 2 Pole, 3 Wire      | 2.83 | 3.07 |      |         | 2.44 | 3.70 |
|                                | 3 Pole, 4 Wire      | 3.70 | 3.39 |      |         | 3.27 | 4.29 |
|                                | 4 Pole, 5 Wire      | 3.70 | 3.39 |      |         | 3.27 | 4.29 |
| 30/32                          | 2 Pole, 3 Wire      | 3.98 | 4.37 |      |         | 3.54 | 5.86 |
|                                | 3 Pole, 4 Wire      | 3.98 | 4.37 |      |         | 3.54 | 5.86 |
|                                | 4 Pole, 5 Wire      | 3.98 | 4.25 |      |         | 3.54 | 5.86 |

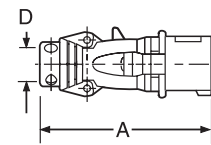
## 60/63 Amp Splashproof Devices/Dimensional Information

| Amps                           | Wire Configurations | A     | B    | C    | D        | E    | F    |
|--------------------------------|---------------------|-------|------|------|----------|------|------|
| <b>Splashproof Receptacles</b> |                     |       |      |      |          |      |      |
| 60/63                          | 2 Pole, 3 Wire      | 4.20  | 3.50 | 2.76 | 5.08     | 3.03 | 3.35 |
|                                | 3 Pole, 4 Wire      | 4.20  | 3.50 | 2.76 | 5.08     | 3.03 | 3.35 |
|                                | 4 Pole, 5 Wire      | 4.20  | 3.50 | 2.76 | 5.08     | 3.03 | 3.35 |
| <b>Splashproof Plugs</b>       |                     |       |      |      |          |      |      |
| 60/63                          | 2 Pole, 3 Wire      | 10.00 | 4.02 |      | .63-1.04 |      |      |
|                                | 3 Pole, 4 Wire      | 10.00 | 4.02 |      | .73-1.14 |      |      |
|                                | 4 Pole, 5 Wire      | 10.00 | 4.02 |      | .80-1.26 |      |      |
| <b>Splashproof Connectors</b>  |                     |       |      |      |          |      |      |
| 60/63                          | 2 Pole, 3 Wire      | 10.75 | 3.78 | 4.67 | .63-1.04 |      |      |
|                                | 3 Pole, 4 Wire      | 10.75 | 3.78 | 4.67 | .73-1.14 |      |      |
|                                | 4 Pole, 5 Wire      | 10.75 | 3.78 | 4.67 | .80-1.26 |      |      |
| <b>Splashproof Inlets</b>      |                     |       |      |      |          |      |      |
| 60/63                          | 2 Pole, 3 Wire      | 4.50  | 4.25 |      |          | 3.03 | 3.35 |
|                                | 3 Pole, 4 Wire      | 4.50  | 4.25 |      |          | 3.03 | 3.35 |
|                                | 4 Pole, 5 Wire      | 4.50  | 4.25 |      |          | 3.03 | 3.35 |

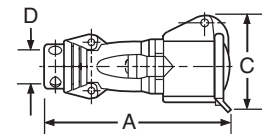
All measurements shown in inches.



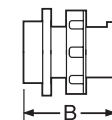
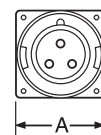
Receptacles



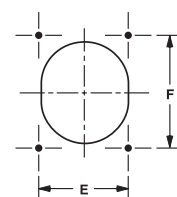
Plugs



Connectors



Inlets



Receptacle/Inlet  
Drilling Pattern

# Pin & Sleeve Devices

## Watertight & Splashproof Material & Performance

### Pin & Sleeve Product Specifications

|                              | 16/20 Amp              | 30/32 Amp              | 60/63 Amp            | 100/125 Amp          |
|------------------------------|------------------------|------------------------|----------------------|----------------------|
| <b>Receptacles</b>           |                        |                        |                      |                      |
| Housing                      | Polyamide 6            | Polyamide 6            | Valox                | Valox                |
| Cover                        | Polyamide 66           | Polyamide 66           | Valox                | Valox                |
| Cover Spring                 | Stainless Steel        | Stainless Steel        | Stainless Steel      | Stainless Steel      |
| Sealing Gasket†              | Neoprene               | Neoprene               | Neoprene             | Neoprene             |
| Mounting Gasket              | Neoprene               | Neoprene               | Neoprene             | Neoprene             |
| Contact Carrier              | Polyamide 6            | Polyamide 6            | Polyamide 6          | Polyamide 6          |
| Sleeves                      | Brass w/Nickel Plate*† | Brass w/Nickel Plate*† | Brass w/Nickel Plate | Brass w/Nickel Plate |
| Terminal Screws              | Zinc-Plated Steel      | Zinc-Plated Steel      | Zinc-Plated Steel    | Zinc-Plated Steel    |
| <b>Inlets</b>                |                        |                        |                      |                      |
| Housing                      | Polyamide 6            | Polyamide 6            | Valox                | Valox                |
| Mounting Flange              | Polyamide 6            | Polyamide 6            | Valox                | Valox                |
| Locking Ring*†               | Polyamide 66           | Polyamide 66           | Valox                | Valox                |
| Sealing Gasket†              | Neoprene               | Neoprene               | Neoprene             | Neoprene             |
| Mounting Gasket              | Neoprene               | Neoprene               | Neoprene             | Neoprene             |
| Contact Carrier              | Polyamide 6            | Polyamide 6            | Polyamide 6          | Polyamide 6          |
| Pins                         | Brass w/Nickel Plate*† | Brass w/Nickel Plate*† | Brass w/Nickel Plate | Brass w/Nickel Plate |
| Terminal Screws              | Zinc-Plated Steel      | Zinc-Plated Steel      | Zinc-Plated Steel    | Zinc-Plated Steel    |
| <b>Plugs</b>                 |                        |                        |                      |                      |
| Housing                      | Polyamide 6            | Polyamide 6            | Valox                | Valox                |
| Locking Ring*†               | Polyamide 66           | Polyamide 66           | Valox                | Valox                |
| Sealing Gasket†              | Neoprene               | Neoprene               | Neoprene             | Neoprene             |
| Housing Gasket               | Neoprene               | Neoprene               | Neoprene             | Neoprene             |
| Back Body                    | Polyamide 6            | Polyamide 6            | Valox                | Valox                |
| Contact Carrier              | Polyamide 6            | Polyamide 6            | Polyamide 6          | Polyamide 6          |
| Pins                         | Brass w/Nickel Plate*† | Brass w/Nickel Plate*† | Brass w/Nickel Plate | Brass w/Nickel Plate |
| Terminal Screws              | Zinc-Plated Steel      | Zinc-Plated Steel      | Zinc-Plated Steel    | Zinc-Plated Steel    |
| Cord Grip                    | Polyamide 6            | Polyamide 6            | Polyamide 66         | Polyamide 66         |
| Grommet                      | Natural Rubber         | Natural Rubber         | Natural Rubber       | Natural Rubber       |
| Cord Grip Screws             | Stainless Steel        | Stainless Steel        | Stainless Steel      | Stainless Steel      |
| Assembly Screws              | Stainless Steel        | Stainless Steel        | Stainless Steel      | Stainless Steel      |
| <b>Connectors</b>            |                        |                        |                      |                      |
| Housing                      | Polyamide 6            | Polyamide 6            | Valox                | Valox                |
| Cover                        | Polyamide 66           | Polyamide 66           | Valox                | Valox                |
| Cover Spring                 | Stainless Steel        | Stainless Steel        | Stainless Steel      | Stainless Steel      |
| Sealing Gasket†              | Neoprene               | Neoprene               | Neoprene             | Neoprene             |
| Housing Gasket               | Neoprene               | Neoprene               | Neoprene             | Neoprene             |
| Back Body                    | Polyamide 6            | Polyamide 6            | Valox                | Valox                |
| Contact Carrier              | Polyamide 6            | Polyamide 6            | Polyamide 6          | Polyamide 6          |
| Sleeves                      | Brass w/Nickel Plate*† | Brass w/Nickel Plate*† | Brass w/Nickel Plate | Brass w/Nickel Plate |
| Terminal Screws              | Zinc-Plated Steel      | Zinc-Plated Steel      | Zinc-Plated Steel    | Zinc-Plated Steel    |
| Cord Grip                    | Polyamide 6            | Polyamide 6            | Polyamide 66         | Polyamide 66         |
| Grommet                      | Natural Rubber         | Natural Rubber         | Natural Rubber       | Natural Rubber       |
| Cord Grip Screws             | Stainless Steel        | Stainless Steel        | Stainless Steel      | Stainless Steel      |
| Assembly Screws              | Stainless Steel        | Stainless Steel        | Stainless Steel      | Stainless Steel      |
| <b>Metallic Back Box</b>     |                        |                        |                      |                      |
| Housing                      | Cast Aluminum          |                        |                      |                      |
| Hub                          | Cast Iron              |                        |                      |                      |
| <b>Non-Metallic Back Box</b> |                        |                        |                      |                      |
| Housing                      | Polyamide 6            |                        |                      |                      |
| Hub                          |                        |                        |                      |                      |

† Does not apply to splashproof.

\* 16/20A and 30/32A sleeves and pins on splashproof products are brass only. Splashproof inlets and plugs do not have locking rings.

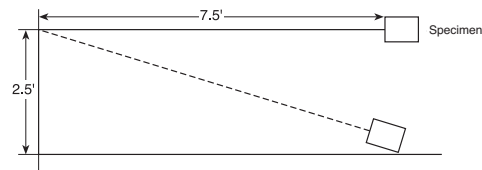
Consult factory for additional details.

### Performance

#### Electrical:

|                              |  |
|------------------------------|--|
| Dielectric Voltage Withstand | 3000V maximum  |
| Maximum Working Voltage      | 600 RMS  |
| Current Interrupting         | Certified for current interrupting at full-rated current   |
| Temperature Rise             | Maximum 30°C temperature rise at full-rated current after 50 cycles of 150% overload (at 0.75 to 0.80 power factor)  |
| Endurance                    | 20 amp: 5000 cycles with full-rated current and voltage<br><br>30, 60, 100 amp: 2000 cycles with full-rated current and voltage applied on every other cycle |

#### Mechanical:



Impact Resistance Device dropped 8 times from a height of 2.5 feet with 7.5 feet of cord attached (per CSA 182.1)

#### Cord Grip Retention

|      | Force, Lbs.** | Torque, Ft.lbs.** |
|------|---------------|-------------------|
| 20A  | 30            | 0.4               |
| 30A  | 75            | 0.5               |
| 60A  | 150           | 1.0               |
| 100A | 150           | 1.0               |

\*\*Applied to minimum recommended cable size.

|                         |   |
|-------------------------|---|
| Cord Accommodation      | Round portable service cords<br><br>Diameters commensurate with the device rating as defined in UL62, CSA C22.2, No. 49, and the harmonized (HAR) European Standard |
| Terminal Identification | Identified in accordance with North American convention, UL1682, and IEC 309-1, 309-2   |
| Product Identification  | Identification and ratings are labeled on the device housing  |

#### Environmental:

|                       |   |
|-----------------------|---|
| Moisture Resistance   | Per IEC 309-1   |
| Flammability          | Contact with live parts:<br>V2 or V0 Enclosure: HB or better per UL94 |
| Operating Temperature | +80°C maximum continuous;<br>-50°C minimum without impact             |

# Pin & Sleeve Devices Technical Specifications

Pass & Seymour



## Watertight Pin & Sleeve Plugs

20, 30, 60 & 100A

### Typical Specifications

Manufacturer's Identification: Pass & Seymour/Legrand PS460P7-W

Description: Plug, Power Supply

Type: 3 Pole, 4 Wire Grounding

Rating: 60A, 3 Phase 480VAC

Configuration: IEC 309-2, Clock Position 7, Watertight (IP67)

3rd Party Compliance: UL Listed to UL Standard 1682; CSA Certified to CSA 22.2 No. 182.2; UL Classified to IEC 309-1 and IEC 309-2

## Watertight Pin & Sleeve Connectors

20, 30, 60 & 100A

### Typical Specifications

Manufacturer's Identification: Pass & Seymour/Legrand PS460C7-W

Description: Connector, Power Supply

Type: 3 Pole, 4 Wire Grounding

Rating: 60A, 3 Phase 480VAC

Configuration: IEC 309-2, Clock Position 7, Watertight (IP67)

3rd Party Compliance: UL Listed to UL Standard 1682; CSA Certified to CSA 22.2 No. 182.2; UL Classified to IEC 309-1 and IEC 309-2

## Splashproof Pin & Sleeve Plugs

20, 30 & 60A

### Typical Specifications

Manufacturer's Identification: Pass & Seymour/Legrand PS460P7-S

Description: Plug, Power Supply

Type: 3 Pole, 4 Wire Grounding

Rating: 60A, 3 Phase 480VAC

Configuration: IEC 309-2, Clock Position 7, Splashproof (IP44)

3rd Party Compliance: UL Listed to UL Standard 1682; CSA Certified to CSA 22.2 No. 182.2; UL Classified to IEC 309-1 and IEC 309-2

## Splashproof Pin & Sleeve Connectors

20, 30 & 60A

### Typical Specifications

Manufacturer's Identification: Pass & Seymour/Legrand PS460C7-S

Description: Connector, Power Supply

Type: 3 Pole, 4 Wire Grounding

Rating: 60A, 3 Phase 480VAC

Configuration: IEC 309-2, Clock Position 7, Splashproof (IP44)

3rd Party Compliance: UL Listed to UL Standard 1682; CSA Certified to CSA 22.2 No. 182.2; UL Classified to IEC 309-1 and IEC 309-2

### IP Suitability Rating

IP Suitability Ratings are an international system for classifying the degree of protection provided by enclosures of electrical equipment. The higher the number, the greater the degree of protection; they apply ONLY to properly installed equipment. The numerals stand for the following:

1. First Number: Degree of protection for persons against access to hazardous parts inside the enclosure and/or against solid bodies.
2. Second Number: Degree of protection of equipment inside enclosures against damage from the ingress of water.

| IEC Enclosure Classification Designation |  |  |
|--|--|--|
| Code Letters                             | First Number   | Second Number  |
| Ingress Protection                       | Against Ingress of Solid Bodies  | Against Ingress of Water with Harmful Effects  |
| IP                                       | 0 - Nonprotected<br>1 - $\geq$ 50 mm diameter<br>2 - $\geq$ 12.5 mm diameter<br>3 - $\geq$ 2.5 mm diameter<br>4 - $\geq$ 1.0 mm<br>5 - Dust-protected<br>6 - Dusttight | 0 - Nonprotected<br>1 - Vertically dripping<br>2 - Dripping (15° Tilted)<br>3 - Spraying<br>4 - Splashing<br>5 - Jetting<br>6 - Power jetting<br>7 - Temporary immersion<br>8 - Continuous immersion |

**Note:**  $\geq$  denotes greater than or equal to. Dimensions in millimeters (mm).

**Example: IP44**=Ingress Protection; Solid bodies  $\geq$ 1.0 mm; Splashing

**IP44**

Suitability

### Conversion Chart

Fractions to Decimals to Millimeters

| Inches Fraction | Decimal | mm     | Inches Fraction | Decimal | mm      | Inches Fraction | Decimal | mm      | Inches Fraction | Decimal | mm      |
|-----------------|---------|--------|-----------------|---------|---------|-----------------|---------|---------|-----------------|---------|---------|
| 1/64            | 0.0156  | 0.3969 | 17/64           | 0.2656  | 6.7469  | 33/64           | 0.5156  | 13.0969 | 49/64           | 0.7656  | 19.4469 |
| 1/32            | 0.0312  | 0.7938 | 9/32            | 0.2812  | 7.1438  | 17/32           | 0.5312  | 13.4938 | 25/32           | 0.7812  | 19.8437 |
| 3/64            | 0.0468  | 1.1906 | 19/64           | 0.2968  | 7.5406  | 35/64           | 0.5468  | 13.8906 | 51/64           | 0.7968  | 20.2406 |
| 1/16            | 0.0625  | 1.5875 | 5/16            | 0.3125  | 7.9375  | 9/16            | 0.5625  | 14.2875 | 13/16           | 0.8125  | 20.6375 |
| 5/64            | 0.0781  | 1.9844 | 21/64           | 0.3281  | 8.3344  | 37/64           | 0.5781  | 14.6844 | 53/64           | 0.8281  | 21.0344 |
| 3/32            | 0.0937  | 2.3812 | 11/32           | 0.3437  | 8.7312  | 19/32           | 0.5937  | 15.0812 | 27/32           | 0.8437  | 21.4312 |
| 7/64            | 0.1093  | 2.7781 | 23/64           | 0.3593  | 9.1281  | 39/64           | 0.6093  | 15.4781 | 55/64           | 0.8593  | 21.8281 |
| 1/8             | 0.1250  | 3.1750 | 3/8             | 0.3750  | 9.5250  | 5/8             | 0.6250  | 15.8750 | 7/8             | 0.8750  | 22.2250 |
| 9/64            | 0.1406  | 3.5719 | 25/64           | 0.3906  | 9.9219  | 41/64           | 0.6406  | 16.2719 | 57/64           | 0.8906  | 22.6219 |
| 5/32            | 0.1562  | 3.9688 | 13/32           | 0.4062  | 10.3188 | 21/32           | 0.6562  | 16.6688 | 29/32           | 0.9062  | 23.0188 |
| 11/64           | 0.1718  | 4.3656 | 27/64           | 0.4218  | 10.7156 | 43/64           | 0.6718  | 17.0656 | 59/64           | 0.9218  | 23.4156 |
| 3/16            | 0.1875  | 4.7625 | 7/16            | 0.4375  | 11.1125 | 11/16           | 0.6875  | 17.4625 | 15/16           | 0.9375  | 23.8125 |
| 13/64           | 0.2031  | 5.1594 | 29/64           | 0.4531  | 11.5094 | 45/64           | 0.7031  | 17.8594 | 61/64           | 0.9531  | 24.2094 |
| 7/32            | 0.2187  | 5.5562 | 15/32           | 0.4687  | 11.9062 | 23/32           | 0.7187  | 18.2562 | 31/32           | 0.9687  | 24.6062 |
| 15/64           | 0.2343  | 5.9531 | 31/64           | 0.4843  | 12.3031 | 47/64           | 0.7343  | 18.6531 | 63/64           | 0.9843  | 25.0031 |
| 1/4             | 0.2500  | 6.3500 | 1/2             | 0.5000  | 12.7000 | 3/4             | 0.7500  | 19.0500 | 1               | 1.0000  | 25.4000 |