

PASS & SEYMOUR® IEC 309 Industrial Pin & Sleeve Devices North American Watertight

Take a closer look at fast-installing Pin & Sleeve products that work for you.

There's no better protection against moisture and industrial contaminants than P&S IEC Pin & Sleeve products. With spring-loaded covers, locking rings, and neoprene gaskets, everything from water to dirt is completely shut out of the electrical system - even if the connection is accidentally submerged!

All P&S Watertight Pin & Sleeve plugs, connectors, receptacles, and inlets bring you the features to enhance versatility, reliability, and safety. For example, North American products come completely ready to wire, for quick, simple installation. And all feature impact- and chemical-resistant thermoplastic construction. Shrouded, nickel-plated, solid-brass pins provide corrosion protection and excellent conductivity. And an exclusive, hinged cord grip eliminates loose parts that get lost.



FEATURES & BENEFITS

Arrives ready to wire, with cord grip open and cable-ready; terminal screws come backed out and ready to wire; front and back body require no disassembly prior to assembly.

Revolutionary, hinged cord grip for durable performance and ease of installation.

Cover with integral neoprene gasket provides watertight seal.



Locking ring with an integral neoprene gasket provides watertight seal when plug and connector/receptacle are mated.

Nylon construction for high-impact and corrosion resistance.

Nickel-plated brass pins provide extra corrosion resistance without sacrificing electrical conductivity.

Combination-head screws for added convenience and quick installation.

Natural-rubber grommets provide watertight protection at cable entry.

FIELD USES/VERTICAL MARKETS

- Food & Beverage
- Pulp & Paper Mills
- Mines
- Refrigeration
- Petrochemical
- Water/Waste Water
- Shipbuilding
- Temporary Power



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IEC 309 Industrial Pin & Sleeve Devices North American Watertight

ORDERING INFORMATION

NORTH AMERICAN WATERTIGHT PRODUCT OFFERING

UL SF			CONFIGURATION	VOLTAGE/ COLOR CODING	WATERTIGHT			BACK BOXES		REPLACEMENT PARTS			
POLES & WIRES	RECEP./ CONN.	PLUG/ INLET			RECEPTACLE	PLUG	CONNECTOR	METALLIC BACK BOX	NON- METALLIC BACK BOX	BODIES		CAPS	
									PLUG	CONNECTOR	RECEPTACLE	CONNECTOR	
20 AMPS													
2P3W			125	PS320R4W	PS320P4W	PS320C4W	PSBB201W	PSBBN201W	PS320P4WR	PS320C4WR	PS320R4WL		
2P3W			250	PS320R6W	PS320P6W	PS320C6W	PSBB201W	PSBBN201W	PS320P6WR	PS320C6WR	PS320R6WL		
2P3W			480	PS320R7W	PS320P7W	PS320C7W	PSBB201W	PSBBN201W	PS320P7WR	PS320C7WR	PS320R7WL		
2P3W			277	PS320R5W	PS320P5W	PS320C5W	PSBB201W	PSBBN201W	PS320P5WR	PS320C5WR	PS320R5WL		
3P4W			125/250	PS420R12W	PS420P12W	PS420C12W	PSBB202W	PSBBN202W		PS420C12WR	PS420R12WL		
3P4W			3ø 250	PS420R9W	PS420P9W	PS420C9W	PSBB202W	PSBBN202W	PS420P9WR	PS420C9WR			
3P4W			3ø 480	PS420R7W	PS420P7W	PS420C7W	PSBB202W	PSBBN202W		PS420C7WR			
3P4W			3ø 600	PS420R5W	PS420P5W	PS420C5W	PSBB202W	PSBBN202W	PS420P5WR	PS420C5WR			
4P5W			3øY 120/208	PS520R9W	PS520P9W	PS520C9W	PSBB202W	PSBBN202W	PS520P9WR	PS520C9WR			
4P5W			3øY 277/480	PS520R7W	PS520P7W	PS520C7W	PSBB202W	PSBBN202W	PS520P7WR	PS520C7WR			
4P5W			3øY 347/600	PS520R5W	PS520P5W	PS520C5W	PSBB202W	PSBBN202W	PS520P5WR	PS520C5WR			
30 AMPS													
2P3W			125	PS330R4W	PS330P4W	PS330C4W	PSBB301W	PSBBN301W			PS330R4WL	PS330C4WL	
2P3W			250	PS330R6W	PS330P6W	PS330C6W	PSBB301W	PSBBN301W				PS330C6WL	
2P3W			480	PS330R7W	PS330P7W	PS330C7W	PSBB301W	PSBBN301W	PS330P7WR	PS330C7WR	PS330R7WL	PS330C7WL	
3P4W			125/250	PS430R12W	PS430P12W	PS430C12W	PSBB301W	PSBBN301W	PS430P12WR	PS430C12WR		PS430C12WL	
3P4W			3ø 250	PS430R9W	PS430P9W	PS430C9W	PSBB301W	PSBBN301W	PS430P9WR	PS430C9WR	PS430R9WL		
3P4W			3ø 480	PS430R7W	PS430P7W	PS430C7W	PSBB301W	PSBBN301W	PS430P7WR	PS430C7WR			
3P4W			3ø 600	PS430R5W	PS430P5W	PS430C5W	PSBB301W	PSBBN301W				PS430C5WL	
3P4W*			380/440	PS430R3W	PS430P3W	PS430C3W	PSBB301W	PSBBN301W	PS430P3WR	PS430C3WR	PS430R3WL		
4P5W			3øY 120/208	PS530R9W	PS530P9W	PS530C9W	PSBB301W	PSBBN301W	PS530P9WR	PS530C9WR	PS530R9WL	PS530C9WL	
4P5W			3øY 277/480	PS530R7W	PS530P7W	PS530C7W	PSBB301W	PSBBN301W	PS530P7WR	PS530C7WR	PS530R7WL	PS530C7WL	
4P5W			3øY 347/600	PS530R5W	PS530P5W	PS530C5W	PSBB301W	PSBBN301W	PS530P5WR	PS530C5WR	PS530R5WL	PS530C5WL	

*Application specific, reference Page I-3.

For more information on these and other P&S products refer to our Catalog or visit our web site.

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North American Watertight



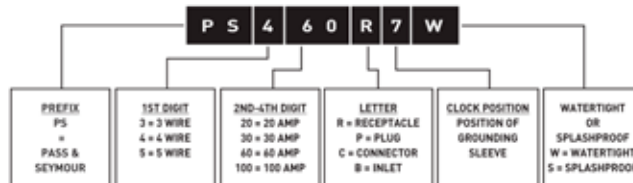
ORDERING INFORMATION

NORTH AMERICAN WATERTIGHT PRODUCT OFFERING

UL SB	CONFIGURATION			WATERTIGHT				BACK BOXES		REPLACEMENT PARTS				
	POLES & WIRES	RECEP./ CONN.	PLUG/ INLET	VOLTAGE/COLOR CODING	RECEPTACLE†	PLUG	CONNECTOR	INLET	METALLIC BACK BOX	NON-METALLIC BACK BOX	PLUG	CONNECTOR	RECEPTACLE	CONNECTOR
60 AMPS														
2P3W			125	PS360R4W	PS360P4W	PS360C4W	PS360B4W	PSBB601W	PSBBN601W		PS360C4WR		PS360C4WL	
2P3W			250	PS360R6W	PS360P6W	PS360C6W	PS360B6W	PSBB601W	PSBBN601W	PS360P6WR	PS360C6WR			
2P3W			480	PS360R7W	PS360P7W	PS360C7W	PS360B7W	PSBB601W	PSBBN601W	PS360P7WR	PS360C7WR	PS360R7WL	PS360C7WL	
3P4W			125/250	PS460R12W	PS460P12W	PS460C12W	PS460B12W	PSBB601W	PSBBN601W	PS460P12WR	PS460C12WR		PS460C12WL	
3P4W			3ø 250	PS460R9W	PS460P9W	PS460C9W	PS460B9W	PSBB601W	PSBBN601W		PS460C9WR			
3P4W			3ø 480	PS460R7W	PS460P7W	PS460C7W	PS460B7W	PSBB601W	PSBBN601W					
3P4W			3ø 600	PS460R5W	PS460P5W	PS460C5W	PS460B5W	PSBB601W	PSBBN601W			PS460R5WL		
4P5W			3øY 120/208	PS560R9W	PS560P9W	PS560C9W	PS560B9W	PSBB601W	PSBBN601W	PS560P9WR				
4P5W			3øY 277/480	PS560R7W	PS560P7W	PS560C7W	PS560B7W	PSBB601W	PSBBN601W	PS560P7WR	PS560C7WR	PS560R7WL	PS560C7WL	
4P5W			3øY 347/600	PS560R5W	PS560P5W	PS560C5W	PS560B5W	PSBB601W	PSBBN601W	PS560P5WR	PS560C5WR	PS560R5WL	PS560C5WL	
100 AMPS														
2P3W			125	PS3100R4W	PS3100P4W	PS3100C4W	PS3100B4W	PSBB1001W		PS3100P4WR	PS3100C4WR	PS3100R4WL	PS3100C4WL	
2P3W			250	PS3100R6W	PS3100P6W	PS3100C6W	PS3100B6W	PSBB1001W			PS3100C6WR	PS3100R6WL	PS3100C6WL	
2P3W			480	PS3100R7W	PS3100P7W	PS3100C7W	PS3100B7W	PSBB1001W		PS3100P7WR	PS3100C7WR	PS3100R7WL	PS3100C7WL	
3P4W			125/250	PS4100R12W	PS4100P12W	PS4100C12W	PS4100B12W	PSBB1001W			PS4100C12WR		PS4100C12WL	
3P4W			3ø 250	PS4100R9W	PS4100P9W	PS4100C9W	PS4100B9W	PSBB1001W			PS4100C9WR		PS4100C9WL	
3P4W			3ø 480	PS4100R7W	PS4100P7W	PS4100C7W	PS4100B7W	PSBB1001W				PS4100R7WL	PS4100C7WL	
3P4W			3ø 600	PS4100R5W	PS4100P5W	PS4100C5W	PS4100B5W	PSBB1001W			PS4100C5WR	PS4100R5WL	PS4100C5WL	
4P5W			3øY 120/208	PS5100R9W	PS5100P9W	PS5100C9W	PS5100B9W	PSBB1001W		PS5100P9WR	PS5100C9WR		PS5100C9WL	
4P5W			3øY 277/480	PS5100R7W	PS5100P7W	PS5100C7W	PS5100B7W	PSBB1001W		PS5100P7WR		PS5100R7WL	PS5100C7WL	
4P5W			3øY 347/600	PS5100R5W	PS5100P5W	PS5100C5W	PS5100B5W	PSBB1001W		PS5100P5WR	PS5100C5WR	PS5100R5WL	PS5100C5WL	

† Note: For straight 60 and 100 amp watertight receptacles, add "S" to catalog number after the R, example: PS4100RS5W.

North American Catalog Numbering System





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IEC 309 Industrial Pin & Sleeve Devices North American Watertight

TECHNICAL SPECIFICATIONS

MATERIALS				
	16/20 AMP	30/32 AMP	60/63 AMP	100/125 AMP
RECEPTACLES				
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
INLETS				
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
PLUGS				
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
CONNECTORS				
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
METALLIC BACK BOX				
Housing	Cast Aluminum			
Hub	Cast Iron			
NON-METALLIC BACK BOX				
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.

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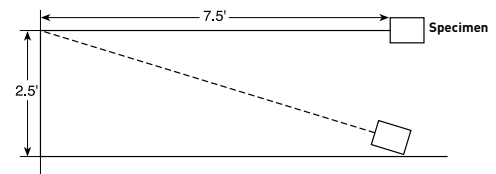
TECHNICAL SPECIFICATIONS

PERFORMANCE

Electrical:

Dielectric Voltage Withstand	3000V maximum
Maximum Working Voltage	600V RMS, 60Hz - 400Hz
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 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

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, rated for copper conductors only

Product Identification Identification and ratings are labeled on the device housing

Environmental:

Moisture Resistance	Per IEC 309-1
Flammability	Contact with live parts: V2 or V0 Enclosure: HB or better per UL94
Operating Temperature	+80°C maximum continuous; -50°C minimum without impact
UV Resistance	All enclosure materials are UV stable

TECHNICAL SPECIFICATIONS

Watertight Pin & Sleeve Plugs 20, 30, 60 & 100A

- Manufacturer's Identification: Pass & Seymour PS460P7W
- 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

- Manufacturer's Identification: Pass & Seymour PS460C7W
- 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

ALSO AVAILABLE...

- Hospital Grade Devices
- PlugTail® Devices
- SPD & Isolated Ground Devices
- Ground Continuity Monitoring (GCM)
- Straight Blade Plugs & Connectors
- Turnlok® Locking Devices
- Weatherproof Boxes & Covers
- IEC 309 Industrial Products
- Flexcor® Wire Mesh Grips



Electrical Wiring Systems

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