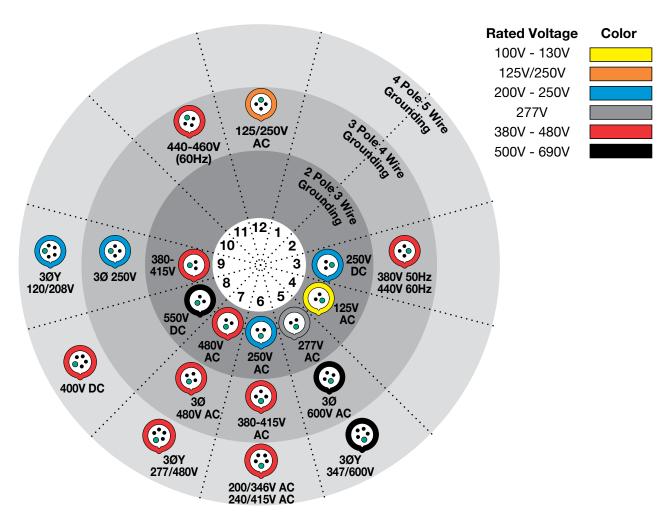
Singly Rated Configurations

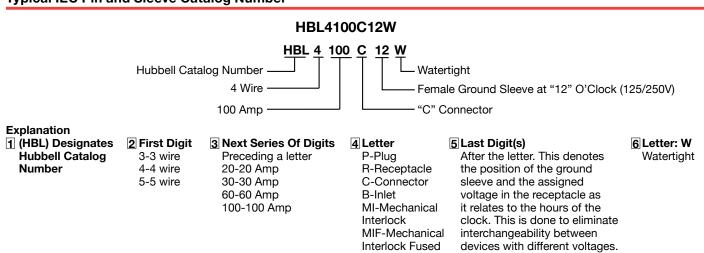
Hubbell Pin and Sleeve products are designed and manufactured to meet the International Standard IEC 60309-1 and IEC 60309-2. This device standard calls out a singly rated, non-interchangeable configuration for every voltage and type of service throughout the world. Pin and sleeve device housings are color coded by voltage rating.

Voltage

The voltage is determined by the location of the female ground contact relative to the housing keyway. Simply by manufacturing the device with a ground contact in a certain "clock" position, the device will be rated for a particular voltage system. The diagram shows the keying position and the color coding that is associated with each voltage.



Typical IEC Pin and Sleeve Catalog Number



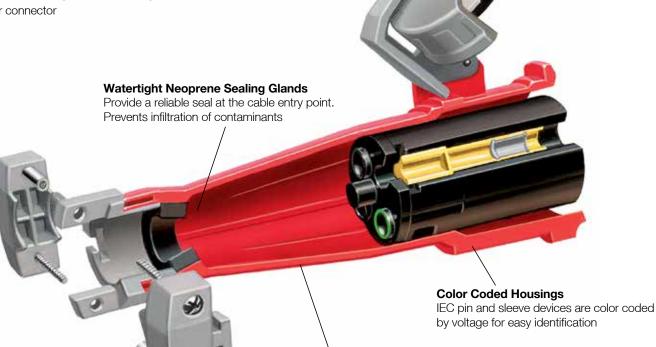


IP67



Liquidtight Conduit Adapters

Machined aluminum adapters are available to provide a means for attaching flexible liquidtight metal conduit to rear of Hubbell Pin and Sleeve plug or connector



Self-Closing Gasketed Cover

Corrosion-resistant hardware

Detents into position to fully close automatically.



Powerful Mechanical Cord Grip

Hubbell's design incorporates two molded-in teeth to securely grip the outer cable jacket, and internal conductors to prevent slippage and strain on terminations. Captive barrel nuts ease assembly and allow higher tightening torque for maximum cord retention.



Watertight Cord Entrance

The tapered bore entrance creates high compression forces on sealing gland, providing a watertight seal around cord. Individual solid neoprene glands are supplied to match a full range of cord sizes and assure watertight performance.



Super tough, non-conductive and chemical resistant

Insulated Non-Metallic Housing

for heavy duty industrial environments

Multi-Contact Spring

(60/63 and 100/125 Amp)
Recessed within the female sleeve, provides and maintains high unit pressure on mating pins to minimize temperature rise. Broaches oxide film to achieve low resistance contact for cooler operation.

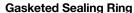


Sequential Contact Engagement

Ground makes first and breaks last. Neutral makes second and breaks second (to prevent a momentary over-voltage on components connected phase to neutral). Phase contacts make last and break first.

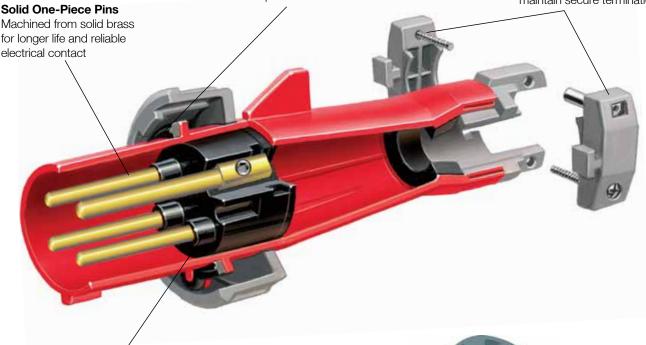


IP67



Provides watertight seal when mated with receptacle or connector

Heavy Duty External Cord Grips Provide maximum cord retention to maintain secure terminations



Contact Collar

Raised collar surrounds each phase pin increasing the tracking resistance between contacts across the contact carrier face

Lockout/Tagout

Tapered opening on plug shroud accommodates up to % inch (9.7mm) lock shackle diameter



Rugged One-Piece Housing

Thick wall construction protects internal components, eliminates joints preventing infiltration of contaminants. Amperage/voltage rating and catalog number molded in housing for easy identification.



Shrouded Pins

Super tough plug shroud protects pins from deforming from physical abuse. Protects the user from the possibility of touching live contacts during insertion and withdrawal of mating parts.



Swivel Pressure Pads

16/20 and 30/32 Amp devices feature patented swiveling pressure pad terminal screws and prevent damage to conductor strands. 60/63 and 100/125 Amp devices feature large hex-head stainless steel screws which provide higher torque levels for secure terminations. The large box terminals are designed for North American conductors.



Thermoset Polyester Contact Carrier

Molded thermoset polyester provides high resistance to electrical tracking. Withstands higher temperatures which may result from overload or arcing. Thermoset properties provide dimensional stability for this critical assembly.







20 and 30 Ampere - North American Ratings, 16 and 32 Ampere - International Ratings

		Rating			Waterti	ght Devices		Accessories			Replacement Interiors	
	Poles	Configuration							of the		8	1
Amps	and Wires	Recep./ Plug/ Conn. Inlet	AC Voltage	Receptacle	Plug	Connector	Inlet	Back Non-Metallic	Boxes Metallic*	Closure Caps	Recep./ Conn.	Plug/ Inlet
16	2P 3W		100-130V	HBL316R4W	HBL316P4W	HBL316C4W	HBL316B4W [†]	BB2030N	BB201W BB301W	PC320	IN320BF	IN320BM
	2P 3W		220-240V	HBL316R6W	HBL316P6W	HBL316C6W	HBL316B6W	BB2030N	BB201W BB301W	PC320	IN320BF	IN320BM
	3P 4W		380-415V	HBL416R6W	HBL416P6W	HBL416C6W	HBL416B6W [†]	BB2030N	BB201W BB301W	PC420	IN420DF	IN420DM
	4P 5W		220/380V 240/415V	HBL516R6W	HBL516P6W	HBL516C6W	HBL516B6W	BB2030N	BB201W BB301W	PC520	IN520EF [†]	IN520EM
20	2P 3W		125V	HBL320R4W	HBL320P4W	HBL320C4W	HBL320B4W	BB2030N	BB201W BB301W	PC320	IN320AF	IN320AM
	2P 3W		250V	HBL320R6W	HBL320P6W	HBL320C6W	HBL320B6W	BB2030N	BB201W BB301W	PC320	IN320BF	IN320BM
	2P 3W		480V	HBL320R7W	HBL320P7W	HBL320C7W	HBL320B7W	BB2030N	BB201W BB301W	PC320	IN320BF	IN320BM
	3P 4W		125/250V	HBL420R12W	HBL420P12W	HBL420C12W	HBL420B12W	BB2030N	BB201W BB301W	PC420	IN420CF	IN420CM
	3P 4W		3Ø 250V	HBL420R9W	HBL420P9W	HBL420C9W	HBL420B9W	BB2030N	BB201W BB301W	PC420	IN420DF	IN420DM
	3P 4W		3Ø 480V	HBL420R7W	HBL420P7W	HBL420C7W	HBL420B7W	BB2030N	BB201W BB301W	PC420	IN420DF	IN420DM
	3P 4W		3Ø 600V	HBL420R5W	HBL420P5W	HBL420C5W	HBL420B5W	BB2030N	BB201W BB301W	PC420	IN420DF	IN420DM
	4P 5W		3ØY 120/208V	HBL520R9W	HBL520P9W	HBL520C9W	HBL520B9W	BB2030N	BB201W BB301W	PC520	IN520EF†	IN520EM
	4P 5W		3ØY 277/480V	HBL520R7W	HBL520P7W	HBL520C7W	HBL520B7W	BB2030N	BB201W BB301W	PC520	IN520EF†	IN520EM
	4P 5W		3ØY 347/600V	HBL520R5W	HBL520P5W	HBL520C5W	HBL520B5W	BB2030N	BB201W BB301W	PC520	IN520EF [†]	IN520EM
30	2P 3W		125V	HBL330R4W	HBL330P4W	HBL330C4W	HBL330B4W	BB2030N	BB201W BB301W	PC3430	IN330AF	IN330AM†
	2P 3W		250V	HBL330R6W	HBL330P6W	HBL330C6W	HBL330B6W	BB2030N	BB201W BB301W	PC3430	IN330BF	IN330BM
	2P 3W		480V	HBL330R7W	HBL330P7W	HBL330C7W	HBL330B7W	BB2030N	BB201W BB301W	PC3430	IN330BF	IN330BM
	3P 4W		125/250V	HBL430R12W	HBL430P12W	HBL430C12W	HBL430B12W	BB2030N	BB201W BB301W	PC3430	IN430CF	IN430CM
	3P 4W		3Ø 250V	HBL430R9W	HBL430P9W	HBL430C9W	HBL430B9W	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
	3P 4W		3Ø 480V	HBL430R7W	HBL430P7W	HBL430C7W	HBL430B7W	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
	3P 4W		3Ø 600V	HBL430R5W	HBL430P5W	HBL430C5W	HBL430B5W	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
	4P 5W		3ØY 120/208V	HBL530R9W	HBL530P9W	HBL530C9W	HBL530B9W	BB2030N	BB201W BB301W	PC530	IN530EF	IN530EM
	4P 5W		3ØY 277/480V	HBL530R7W	HBL530P7W	HBL530C7W	HBL530B7W	BB2030N	BB201W BB301W	PC530	IN530EF	IN530EM
	4P 5W		3ØY 347/600V	HBL530R5W	HBL530P5W	HBL530C5W	HBL530B5W	BB2030N	BB201W BB301W	PC530	IN530EF	IN530EM
32	2P 3W		100-130V	HBL332R4W [†]	HBL332P4W [†]	HBL332C4W [†]	HBL332B4W [†]	BB2030N	BB201W BB301W	PC3430	IN330BF	IN330BM
	2P 3W		220-240V	HBL332R6W	HBL332P6W	HBL332C6W	HBL332B6W	BB2030N	BB201W BB301W	PC3430	IN330BF	IN330BM
	3P 4W		380-415V	HBL432R6W	HBL432P6W	HBL432C6W	HBL432B6W	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
	3P 4W		380V 50Hz 440V 60Hz	HBL432R3W	HBL432P3W	HBL432C3W	HBL432B3W [†]	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
	4P 5W		220/380V 240/415V	HBL532R6W	HBL532P6W	HBL532C6W	HBL532B6W	BB2030N	BB201W BB301W	PC530	IN530EF	IN530EM

Note: See page G-12 and G-13 for back boxes and accessories, G-14 and G-15 for product dimensions, G-16 and G-17 for product specifications and HP ratings. See page G-13 for closure caps, purchased separately. PC320, PC420, PC520, PC3430, PC530 are not UL or CSA.

*These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.
†Consult factory.







60 and 100 Ampere - North American Ratings, 63 and 125 Ampere - International Ratings

Rating			Watertight Devices				Accessories			Replacement Interiors			
	Poles and	Configuratio	on lug/				-		Bac	k Boxes	Closure	Recep./	Plug/
Amps	Wires		llet	AC Voltage	Receptacle	Plug	Connector	Inlet		allic Metallic*	Caps	Conn.	Inlet
60	2P 3W		3	125V	HBL360R4W	HBL360P4W	HBL360C4W	HBL360B4W	BB60N	BB601W BB602W	PC60	IN360AF	IN360AM
	2P 3W		3	250V	HBL360R6W	HBL360P6W	HBL360C6W	HBL360B6W	BB60N	BB601W BB602W	PC60	IN360BF	IN360BM [†]
	2P 3W		3	480V	HBL360R7W	HBL360P7W	HBL360C7W	HBL360B7W	BB60N	BB601W BB602W	PC60	IN360BF	IN360BM [†]
	3P 4W		3	125/250V	HBL460R12W	HBL460P12W	HBL460C12W	HBL460B12W	BB60N	BB601W BB602W	PC60	IN460CF	IN460CM
	3P 4W	(3	3Ø 250V	HBL460R9W	HBL460P9W	HBL460C9W	HBL460B9W	BB60N	BB601W BB602W	PC60	IN460DF	IN460DM
	3P 4W		3	3Ø 480V	HBL460R7W	HBL460P7W	HBL460C7W	HBL460B7W	BB60N	BB601W BB602W	PC60	IN460DF	IN460DM
	3P 4W		3	3Ø 600V	HBL460R5W	HBL460P5W	HBL460C5W	HBL460B5W	BB60N	BB601W BB602W	PC60	IN460DF	IN460DM
	4P 5W		③	3ØY 120/208V	HBL560R9W	HBL560P9W	HBL560C9W	HBL560B9W	BB60N	BB601W BB602W	PC60	IN560EF	IN560EM [†]
	4P 5W		3	3ØY 277/480V	HBL560R7W	HBL560P7W	HBL560C7W	HBL560B7W	BB60N	BB601W BB602W	PC60	IN560EF	IN560EM [†]
	4P 5W		③	3ØY 347/600V	HBL560R5W	HBL560P5W	HBL560C5W	HBL560B5W	BB60N	BB601W BB602W	PC60	IN560EF	IN560EM†
63	2P 3W		③	220-240V	HBL363R6W	HBL363P6W	HBL363C6W	HBL363B6W	BB60N	BB601W BB602W	PC60	IN360BFS	IN360BMS†
	3P 4W	(3	380-415V	HBL463R6W	HBL463P6W	HBL463C6W	HBL463B6W	BB60N	BB601W BB602W	PC60	IN460DFS	IN460DMS
	4P 5W		3	220/380V 240/415V	HBL563R6W	HBL563P6W	HBL563C6W	HBL563B6W	BB60N	BB601W BB602W	PC60	IN560EFS†	IN560EMS
100	2P 3W		3	125V	HBL3100R4W	HBL3100P4W	HBL3100C4W	HBL3100B4W	BB100N	BB1001W BB1002W	PC100	IN3100AF	IN3100AM
	2P 3W		3	250V	HBL3100R6W	HBL3100P6W	HBL3100C6W	HBL3100B6W	BB100N	BB1001W BB1002W	PC100	IN3100BF	IN3100BM [†]
	2P 3W		3	480 V	HBL3100R7W	HBL3100P7W	HBL3100C7W	HBL3100B7W	BB100N	BB1001W BB1002W	PC100	IN3100BF	IN3100BM [†]
	3P 4W		3	125/250V	HBL4100R12W	HBL4100P12W	HBL4100C12W	HBL4100B12W	BB100N	BB1001W BB1002W	PC100	IN4100CF [†]	IN4100CM
	3P 4W		③	3Ø 250V	HBL4100R9W	HBL4100P9W	HBL4100C9W	HBL4100B9W	BB100N	BB1001W BB1002W	PC100	IN4100DF	IN4100DM
	3P 4W		3	3Ø 480V	HBL4100R7W	HBL4100P7W	HBL4100C7W	HBL4100B7W	BB100N	BB1001W BB1002W	PC100	IN4100DF	IN4100DM
	3P 4W			3Ø 600V	HBL4100R5W	HBL4100P5W	HBL4100C5W	HBL4100B5W	BB100N	BB1001W BB1002W	PC100	IN4100DF	IN4100DM
	4P 5W		③	3ØY 120/208V	HBL5100R9W	HBL5100P9W*	HBL5100C9W	HBL5100B9W	BB100N	BB1001W BB1002W	PC100	IN5100EF	IN5100EM
	4P 5W		3	3ØY 277/480V	HBL5100R7W	HBL5100P7W	HBL5100C7W	HBL5100B7W	BB100N	BB1001W BB1002W	PC100	IN5100EF	IN5100EM
	4P 5W		③	3ØY 347/600V	HBL5100R5W	HBL5100P5W	HBL5100C5W	HBL5100B5W	BB100N	BB1001W BB1002W	PC100	IN5100EF	IN5100EM
125	2P 3W		③	220-240V	HBL3125R6W	HBL3125P6W	HBL3125C6W	HBL3125B6W	BB100N	BB1001W BB1002W	PC100	IN3100BFS [†]	IN3100BMS [†]
	3P 4W		③	380-415V	HBL4125R6W	HBL4125P6W	HBL4125C6W	HBL4125B6W	BB100N	BB1001W BB1002W	PC100	IN4100DFS	IN4100DMS
	4P 5W		3	220/380V 240/415V	HBL5125R6W	HBL5125P6W	HBL5125C6W	HBL5125B6W	BB100N	BB1001W BB1002W	PC100	IN5100EFS	IN5100EMS

Note: See page G-12 and G-13 for back boxes and accessories, G-14 and G-15 for product dimensions, G-16 and G-17 for product specifications and HP ratings.

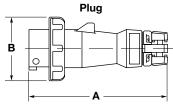
All 63A and all 125A devices have pilot pins or contacts.

See page G-13 for closure caps, purchased separately. PC60 and PC100 are not UL or CSA.

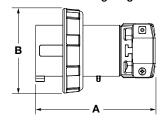
See page G-14 for additional information on short housing plug. IP22 suitability - length 8.30" (210.8).

*These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.

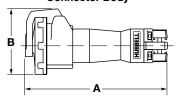
†Consult factory.



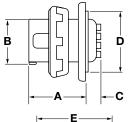
Short Housing Plug

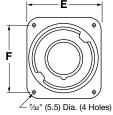


Connector Body

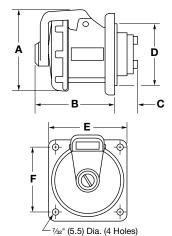


Inlet





Receptacle



Dimensions in Inches (mm)

Plug Dimensions

Туре	Α	В	Cord Grip Range
HBL320P	6.61" (167.8)	2.87" (73.0)	.330"830" (8.4-21.1)
HBL420P	7.00" (177.8)	3.19" (81.0)	.330"830" (8.4-21.1)
HBL520P	7.65" (194.3)	3.50" (89.0)	.330"830" (8.4-21.1)
HBL330P	8.05" (204.5)	3.74" (95.0)	.375"-1.250" (9.5-31.8)
HBL430P	8.05" (204.5)	3.74" (95.0)	.375"-1.250" (9.5-31.8)
HBL530P	8.54" (216.9)	4.02" (102.0)	.500"-1.450" (12.7-36.8)
HBL360P, HBL460P, HBL560P	10.15" (257.8)	4.49" (114.0)	.500"-1.450" (12.7-36.8)
HBL3100P, HBL4100P, M4100P, HBL5100P, M5100P	12.63" (320.8)	4.92" (125.0)	1.065"-1.940" (27.1-49.3)

Short Housing Plug Dimensions

Туре	Α	В	Cord Grip Range
HBL5100P9WSH	8.30" (210.82)	4.92" (125.0)	1.065"-1.940" (27.1-49.3)

Connector Body Dimensions

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Туре	Α	В	Cord Grip Range
HBL320C	7.49" (190.3)	3.33" (84.6)	.330"830" (8.4-21.1)
HBL420C	7.90" (200.6)	3.66" (93.0)	.330"830" (8.4-21.1)
HBL520C	8.54" (216.9)	3.94" (100.0)	.330"830" (8.4-21.1)
HBL330C	9.05" (229.9)	4.27" (108.5)	.375"-1.250" (9.5-31.8)
HBL430C	9.05" (229.9)	4.27" (108.5)	.375"-1.250" (9.5-31.8)
HBL530C	9.68" (245.8)	4.70" (119.5)	.500"-1.450" (12.7-36.8)
HBL360C, HBL460C, HBL560C	11.15" (283.2)	5.10" (129.5)	.500"-1.450" (12.7-36.8)
HBL3100C, HBL4100C, M4100C, HBL5100C, M5100C	13.57" (344.7)	5.71" (145)	1.065"-1.940" (27.1-49.3)

Inlet Dimensions

Туре	Α	В	С	D	Е	F
HBL320B	2.54" (64.5)	1.85" (47.0)	1.14" (29.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL420B	2.54" (64.5)	2.11" (53.6)	1.14" (29.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL520B	2.54" (64.5)	2.41" (61.2)	1.14" (29.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL330B	2.99" (76.0)	2.49" (63.2)	1.04" (26.5)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL430B	2.99" (76.0)	2.49" (63.2)	1.04" (26.5)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL530B	2.99" (76.0)	2.75" (69.9)	1.04" (26.5)	2.80" (71.0)	3.75" (95.3)	3.13" (79.5)
HBL360B, HBL460B, HBL560B	4.04" (102.6)	2.97" (75.5)	1.18" (30.0)	3.46" (88.0)	4.50" (114.3)	3.88" (98.5)
HBL3100B, HBL4100B, M4100B, HBL5100B, M5100B	4.53" (115)	3.44" (87.5)	1.95" (49.5)	3.94" (100.0)	5.50" (139.7)	4.88" (124.0)

Receptacle Dimensions

Туре	Α	В	С	D	Е	F
HBL320R	3.33" (84.5)	2.78" (70.6)	1.02" (26.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL420R	3.66" (93.0)	2.78" (70.6)	1.02" (26.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL520R	3.94" (100.0)	2.78" (70.6)	1.02" (26.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL330R	4.27" (108.5)	3.09" (78.5)	1.16" (29.5)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL430R	4.27" (108.5)	3.09" (78.5)	1.16" (29.5)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL530R	4.70" (119.4)	3.09" (78.5)	1.16" (29.5)	2.83" (71.9)	3.75" (95.3)	3.13" (79.5)
HBL360R, HBL460R, HBL560R	5.10" (129.5)	4.07" (103.4)	1.69" (43.0)	3.46" (88.0)	4.50" (114.3)	3.88" (98.6)
HBL3100R, HBL4100R, M4100R, HBL5100R, M5100R	5.71" (145)	4.23" (107.4)	2.46" (62.5)	3.95" (100.3)	5.50" (139.7)	4.88" (123.9

Note: 20, 30, 60 and 100A devices are dimensionally equivalent to 16, 32, 63 and 125A devices, respectively.

Listings and Specifications

IEC Pin and Sleeve Inlet, Connector Body, Plug and Receptacle

Watertiaht Materials

Watertight Materia	ls	_
Part	Material	Listed to standard UL1682/CSA C22.2
Inlet		No. 182.1-02, Plugs, Receptacles and
Housing	Zytel® 101 Nylon*	cable connectors of the Pin and Sleeve
Locking Ring	Reinforced Thermoplastic Polyester	Type.
Mounting Flange	Zytel® 101 Nylon	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Mounting Screws	Stainless Steel (300 Series)	UL Classified to IEC Standards 60309-
Contact Carrier	High-Impact Thermoset	1 (Plugs, Socket Outlets, and Couplers
Retainer	High-Impact Thermoset	for Industrial Purposes) for Series I
Ground, Phase Pins	Brass (M-Series - Nickel-plated brass)	(European) rated voltages and services.
Terminal Screws	Stainless Steel (300 Series)	(European) rated voltages and services.
Assembly Screws (2)	Stainless Steel (300 Series)	When used with cord, these devices
Gaskets	Solid Neoprene	require no further investigation by UL
Connector Body		for equipment Classification to IEC 435
Housing	Zytel® ST801 Nylon	or IEC 380.
Cord Clamps	Reinforced Thermoplastic Polyester	OF IEC 380.
Glands	Solid Neoprene	
Cover Arms	Reinforced Thermoplastic Polyester	
Arm Springs	Stainless Steel (17-7 type)	
Covers	Reinforced Thermoplastic Polyester	
Cover Screw	Nickel-plated brass	
Rotating Sealing Disc Gaskets	Polycarbonate Solid Neoprene	
Contact Carrier	Solid Neoprene High-Impact Thermoset	
Retainer	High-Impact Thermoset	
Phase, Ground Sleeves	Brass	
Sleeve Spring	20A and 30A Stainless Steel (300 Series); others are Beryllium Copper	
Sieeve Spring	multi-contact inserts with silver plating	
Terminal Screws	Stainless Steel (300 Series)	
Assembly Screws	Stainless Steel (300 Series)	
Plug	21.0.11.11.000 21.001 (200 201.100)	
Housing	Zytel® ST801 Nylon	
Locking Ring	Reinforced Thermoplastic Polyester	
Sealing Gasket	Solid Neoprene	
Cord Clamp	Reinforced Thermoplastic Polyester	
Gland Cap	Reinforced Thermoplastic Polyester	
Gland	Solid Neoprene	
Cord Clamp Screws	Stainless Steel (300 Series)	
Clamp Nut	Nickel-Plated Brass	
Gland Clamp Screws	Stainless Steel (300 Series)	
Contact Carrier	High-Impact Thermoset	
Retainer	High-Impact Thermoset	
Ground, Phase Pins	Brass (M-Series - Nickel-plated brass)	

Receptacle

Terminal Screws

Assembly Screws

Zytel® 101 Nylon Housing Zytel® 101 Nylon Mounting Flange Arm Spring Stainless Steel (17-7 type) Cover Arm Reinforced Thermoplastic Polyester Reinforced Thermoplastic Polyester Cover Cover Screw Nickel-plated brass Rotating Sealing Disc Polycarbonate Gaskets Solid Neoprene

Mounting Screws Stainless Steel (300 Series) Stainless Steel (300 Series) Terminal Screws

Phase, Ground Sleeves Brass

Sleeve Spring 20A and 30A Stainless Steel (300 Series); others are Beryllium Copper multi-contact inserts with silver plating

Specifications

Typical Specification Manufacturer's Identification Hubbell HBL520P9W Plug, Power Supply Description 3 Pole + Neutral + Earth Type Rating 20A, 120/208V AC, 3 Phase WYE

Configuration UL 1686 C2, IEC 60309-2, Clock Position 9, Watertight

Stainless Steel (300 Series)

Stainless Steel (300 Series)

UL Listed, File E146032 Receptacles and Inlets, E146033 Plugs and Connectors, Certification UL Standard UL1682 and UL 1686C2, CSA Certified File LR280C for Plugs, Connectors Inlets and LR285C for Receptacle CSA StandardC22.2 No. 182.1,

UL Classified to IEC 60309-1 IEC 60309-2

Note: *All devices on page G-11 have Valox® housings.

® Zytel is registered trademark of E.I. DuPont.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Performance

Electrical					
Dielectric Withstand Voltage	3000V AC.				
Max. Working Voltage	600V RMS (i.e., minimum creepage distance 10 millimeters, minimum clearance 8 millimeters, per IEC 60309-1				
	for devices rated over 500V).				
Current Interrupting	Certified for current interrupting at full rated current (Except DC rated devices).				
Temperature Rise	Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.				
Endurance	5,000 connect and disconnect cycles with load for 16A and 20A, 1,000 cycles with load and 1,000 cycles without load for 30A, 32A, 60A and 63A, and 250 cycles with load and 250 cycles without load for 100A and 125A.				
Mechanical					
Impact Resistance	Per CSA C22.2 No. 182.1 / UL1682.				
Cord Grip Cable Retention	Per CSA C22.2 No. 182.1 / UL1682.				
Cord Accommodation	Round portable service cords of diameters commensurate with the device rating as defined in UL Standard 62,				
	CSA C22.2 No. 49 and the harmonized <har> European Standards.</har>				
Terminal Identification	Terminals identified in accordance with North American and IEC conventions.				
Product Identification	Identification and ratings are a permanent part of the device housing.				
Environmental					
Moisture Resistance	Watertight per IEC 60309-1.				
Ingress Protection	IP67 Suitability.				
Flammability	HB or better per UL 94 or CSA C22.2 No. 0.17.				
Operating Temperatures	Maximum Continuous 75°C; Minimum - 40°C without impact.				
Materials					
Housings	Nylon.				
All Other Materials	Resistant to corrosion and chemical attack.				
N + 0 'C' '' 1 + 6 # #	B: 101 11 1 111 1				

Note: Specification sheets for all other Pin and Sleeve catalog numbers are available upon request.

Horsepower Ratings for IEC Pin and Sleeve

AC Voltage Rating	Horsepower	Catalog Number			
3Ø 250	2	HBL420R9W	HBL420P9W	HBL420C9W	HBL420B9W
3Ø 480	5	HBL420R7W	HBL420P7W	HBL420C7W	HBL420B7W
3Ø 600	7.5	HBL420R5W	HBL420P5W	HBL420C5W	HBL420B5W
3ØY 120/208	.5	HBL520R9W	HBL520P9W	HBL520C9W	HBL520B9W
3ØY 277/480	5	HBL520R7W	HBL520P7W	HBL520C7W	HBL520B7W
3ØY 347/600	7.5	HBL520R5W	HBL520P5W	HBL520C5W	HBL520B5W
3Ø 250	3	HBL430R9W	HBL430P9W	HBL430C9W	HBL430B9W
3Ø 480	7.5	HBL430R7W	HBL430P7W	HBL430C7W	HBL430B7W
3Ø 600	10	HBL430R5W	HBL430P5W	HBL430C5W	HBL430B5W
3ØY 120/208	2	HBL530R9W	HBL530P9W	HBL530C9W	HBL530B9W
3ØY 277/480	7.5	HBL530R7W	HBL530P7W	HBL530C7W	HBL530B7W
3ØY 347/600	10	HBL530R5W	HBL530P5W	HBL530C5W	HBL530B5W
3Ø 250	5	HBL460R9W	HBL460P9W	HBL460C9W	HBL460B9W
3Ø 480	10	HBL460R7W	HBL460P7W	HBL460C7W	HBL460B7W
3Ø 600	15	HBL460R5W	HBL460P5W	HBL460C5W	HBL460B5W
3ØY 120/208	3	HBL560R9W	HBL560P9W	HBL560C9W	HBL560B9W
3ØY 277/480	10	HBL560R7W	HBL560P7W	HBL560C7W	HBL560B7W
3ØY 347/600	15	HBL560R5W	HBL560P5W	HBL560C5W	HBL560B5W
3Ø 250	10	HBL4100R9W	HBL4100P9W	HBL4100C9W	HBL4100B9W
3Ø 480	30	HBL4100R7W	HBL4100P7W	HBL4100C7W	HBL4100B7W
3Ø 600	30	HBL4100R5W	HBL4100P5W	HBL4100C5W	HBL4100B5W
3ØY 120/208	10	HBL5100R9W	HBL5100P9W	HBL5100C9W	HBL5100B9W
3ØY 277/480	30	HBL5100R7W	HBL5100P7W	HBL5100C7W	HBL5100B7W
3ØY 347/600	30	HBL5100R5W	HBL5100P5W	HBL5100C5W	HBL5100B5W