

IEC Pin & Sleeve

HBL Series Dual Certified Plugs and Connectors

Hubbell's new line of IEC 60309 Valox Pin & Sleeve Devices are **dual certified for both US and European markets**. They are ideal for the data center and high tech server industry because customers can use the same device for multiple electrical applications globally.

Devices are **UL Listed/ CSA Certified** to bi-national standard CSA C22.2 No. 182.1-07/UL 1682 for the North American market and are **TUV Rheinland Certified** and **UL Classified** for the European and International markets. These devices are IP67 Rated, RoHS compliant and showcase all the inherent safety benefits of their Valox V-0 rated housings.

Our robust offering includes plugs, connectors, receptacles and inlets. These devices are available in 30/32A, 60/63A and 100/125A in 3-pole, 4-wire and 4-pole 5-wire. All these device configurations are 6 o'clock ground/earth pin. A complete line of accessories are also available.



Rating					Watertight Devices			
Amps	Poles And Wires	Configuration Recep./ Conn.	Plug	AC Voltage	Receptacle	Plug	Connector	Inlet
30/32	3P 4W			380-415V				
	4P 5W			200/346V 240/415V				
60/63	3P 4W			380-415V				
	4P 5W			200/346V 240/415V				
100/125	3P 4W			380/415V				
100/125	4P 5W			200/346V 240/415V				

* Special Order. Consult factory regarding your 100/125A needs.



BB60N



BB601W



FW6010055



FT202W



FW60100



SAB34

Back Boxes

Hubbell manufactures an extensive line of back boxes for use with IEC Pin and Sleeve devices. Each back box is designed to give the user the maximum amount of wiring room while achieving grounding to metallic conduit. Hubbell back boxes are available in non-metallic and cast metal versions.

Non-Metallic 15° Angle Back Box

Description	NPT Hub Size*	Catalog Number
Back box for 30/32A devices.	1"	BB2030N
Back box for 60/63A devices.	1¼"	BB60N
Back box for 100/125A devices.	1½"	BB100N

Note: *Hub is not included; order one of the following Raco® part numbers: 1 in. = 1704, 1¼ in. = 1705, 1½ in. = 1706. These boxes meet IP67 requirement and Type 4X requirements when installed with a watertight conduit hub.

Metallic 15° Angle Back Box**

Description	NPT Hub Size	Catalog Number
Back box for 30/32A devices.	¾"	BB201W
	1"	BB301W
Back box for 60/63A devices.	1¼"	BB601W
	1½"	BB602W
Back box for 100/125A devices.	1½"	BB1001W
	2"	BB1002W

Note: **These boxes are cast aluminum, suitable for IP56 requirements and are finished with enamel paint.

Metallic 55° Angle Back Box and Adapter**

Description	NPT Hub Size	Catalog Number
Feed-thru box back box and adapter for 30/32A devices.	1"	AB203055
Angle adapter only.		AA203055
Back box and adapter for 60/63A and 100/125A devices.	1½"	FW6010055
Angle adapter only.		AA6010055

Note: **These boxes are cast aluminum, suitable for IP56 requirements and are finished with enamel paint.

Metallic Feed-Thru Back Box**

Description	NPT Hub Size	Catalog Number
Feed-thru box for 30/32A devices.	¾"	FT202W
	1"	FT302W

Note: **These boxes are cast aluminum, suitable for IP56 requirements and are finished with enamel paint.

Metallic Four-Way 15° Angle Back Box**

Description	NPT Hub Size	Catalog Number
Four-way box for 60/63A and 100/125A devices.	1½"	FW60100

Note: **These boxes are cast aluminum, suitable for IP56 requirements and are finished with enamel paint.

Liquidtight Adapters

Machined aluminum adapters are available to provide a means for attaching flexible liquidtight metal conduit to the rear of a Hubbell Pin and Sleeve plug or connector. To install, remove cord grip and two gland cap screws. Use screws to attach adapter.

Rating of Hubbell Pin and Sleeve Device	Liquidtight Conduit Size	Hubbell Liquidtight Adapter
30/32 Amp 4 wire	½" NPT	SAB12
	¾" NPT	SAB34
	1" NPT	SAB100
30/32 Amp 5 wire and 60/63 Amp (all)	½" NPT	SAC12
	¾" NPT	SAC34
	1" NPT	SAC100
100/125 Amp (all)	1¼" NPT	SAC125
	1½" NPT	SAD125
	1½" NPT	SAD150

Plug Dimensions

Type	Dimensions in Inches (mm)		
	A	B	Cord Grip Range
HBL430P6V02	8.05" (204.5)	3.74" (95.0)	.375"-1.250" (9.5-31.8)
HBL530P6V02	8.54" (216.9)	4.02" (102.0)	.500"-1.450" (12.7-36.8)
HBL460P6V02, HBL560P6V02	10.15" (257.8)	4.49" (114.0)	.500"-1.450" (12.7-36.8)
HBL4100P6V02, HBL5100P6V02	12.63" (320.8)	4.92" (125.0)	1.065"-1.940" (27.1-49.3)

Connector Body Dimensions

Type	A	B	Cord Grip Range
HBL430C6V02	9.05" (229.9)	4.27" (108.5)	.375"-1.250" (9.5-31.8)
HBL530C6V02	9.68" (245.8)	4.70" (119.5)	.500"-1.450" (12.7-36.8)
HBL460C6V02, HBL560C6V02	11.15" (283.2)	5.10" (129.5)	.500"-1.450" (12.7-36.8)
HBL4100C6V02, HBL5100C6V02	13.57" (344.7)	5.71" (145)	1.065"-1.940" (27.1-49.3)

Inlet Dimensions

Type	A	B	C	D	E	F
HBL430B6V02	2.99" (76.0)	2.49" (63.2)	1.04" (26.5)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL530B6V02	2.99" (76.0)	2.75" (69.9)	1.04" (26.5)	2.80" (71.0)	3.75" (95.3)	3.13" (79.5)
HBL460B6V02, HBL560B6V02	4.04" (102.6)	2.97" (75.5)	1.18" (30.0)	3.46" (88.0)	4.50" (114.3)	3.88" (98.5)
HBL4100B6V02, HBL5100B6V02	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

Type	A	B	C	D	E	F
HBL430R6V02	4.27" (108.5)	3.09" (78.5)	1.16" (29.5)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL530R6V02	4.70" (119.4)	3.09" (78.5)	1.16" (29.5)	2.83" (71.9)	3.75" (95.3)	3.13" (79.5)
HBL460R6V02, HBL560R6V02	5.10" (129.5)	4.07" (103.4)	1.69" (43.0)	3.46" (88.0)	4.50" (114.3)	3.88" (98.6)
HBL4100R6V02, HBL5100R6V02	5.71" (145)	4.23" (107.4)	2.46" (62.5)	3.95" (100.3)	5.50" (139.7)	4.88" (123.9)

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

Watertight Materials

Part	Material	Part	Material
Inlet		Plug	
Housing	Valox	Housing	Valox
Locking Ring	Reinforced Thermoplastic Polyester	Locking Ring	Reinforced Thermoplastic Polyester
Mounting Flange	Zytel® 101 Nylon	Sealing Gasket	Solid Neoprene
Mounting Screws	Stainless Steel (300 Series)	Cord Clamp	Reinforced Thermoplastic Polyester
Contact Carrier	High-Impact Thermoset	Gland Cap	Reinforced Thermoplastic Polyester
Retainer	High-Impact Thermoset	Gland	Solid Neoprene
Ground, Phase Pins	Brass (M-Series - Nickel-plated brass)	Cord Clamp Screws	Stainless Steel (300 Series)
Terminal Screws	Stainless Steel (300 Series)	Clamp Nut	Nickel-Plated Brass
Assembly Screws (2)	Stainless Steel (300 Series)	Gland Clamp Screws	Stainless Steel (300 Series)
Gaskets	Solid Neoprene	Contact Carrier	High-Impact Thermoset
Connector Body		Receptacle	
Housings	Valox	Housings	Valox
Cord Clamps	Reinforced Thermoplastic Polyester	Mounting Flange	Zytel® 101 Nylon
Glands	Solid Neoprene	Arm Spring	Stainless Steel (17-7 type)
Cover Arms	Reinforced Thermoplastic Polyester	Cover Arm	Reinforced Thermoplastic Polyester
Arm Springs	Stainless Steel (17-7 type)	Cover	Reinforced Thermoplastic Polyester
Covers	Reinforced Thermoplastic Polyester	Cover Screw	Nickel-plated brass
Cover Screw	Nickel-plated brass	Rotating Sealing Disc	Polycarbonate
Rotating Sealing Disc	Polycarbonate	Gaskets	Solid Neoprene
Gaskets	Solid Neoprene	Mounting Screws	Stainless Steel (300 Series)
Contact Carrier	High-Impact Thermoset	Terminal Screws	Stainless Steel (300 Series)
Retainer	High-Impact Thermoset	Phase, Ground Sleeves	Brass
Phase, Ground Sleeves	Brass	Sleeve Spring	30/32A Stainless Steel (300 Series); others are Beryllium Copper multi-contact inserts with silver plating
Sleeve Spring	30/32A Stainless Steel (300 Series); others are Beryllium Copper multi-contact inserts with silver plating		
Terminal Screws	Stainless Steel (300 Series)		
Assembly Screws	Stainless Steel (300 Series)		

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