#### **ELECTRICAL Pin & Sleeve Connectors**

Receptacle 5HJ25

Connector

5HJ20

# Type 4X Pin and Sleeve Devices

Interchangeable with traditional all-metallic pin and sleeve devices built to UL 1686-C1. Insulgrip® pin and sleeve plugs and connectors have a metallic shroud to provide ground and protect pins, and a watertight, nonmetallic housing for corrosion resistance and electrical safety. Style I plugs and connectors ground through their metallic shroud, and receptacles are grounded via ground lug in the aluminum back box. Style II devices have a dual-ground safety feature using dedicated ground pin. Receptacle back boxes available; see this page. Gray color.

				RECEPTACLE		CONNECTOR		PLUG	
Current Rating	No. of Poles	No. of Wires	Phase	Mfr. Model	ltem No.	Mfr. Model	ltem No.	Mfr. Model	ltem No.
Grounding St	tyle Style 1								
30 A	3	4	3	HBL430RS1W	5HJ24	HBL430CS1W	5HJ20	HBL430PS1W	5HJ22
60 A	2	3	1	HBL360RS1W	4TAD5	HBL360CS1W	4TAD2	HBL360PS1W	5HJ10
60 A	3	4	3	HBL460RS1W	5HJ30	HBL460CS1W	5HJ26	HBL460PS1W	5HJ28
60 A	4	5	3	HBL560RS1W	5HJ40	HBL560CS1W	5HJ38	HBL560PS1W	5HJ39
100 A	3	4	3	HBL4100RS1W	5HJ18	HBL4100CS1W	4TAD6	HBL4100PS1W	5HJ16
100 A	4	5	3	HBL5100RS1W	5HJ34	HBL5100CS1W	5HJ32	HBL5100PS1W	5HJ33
Grounding St	undina Stvie Z neusinoursi ne								
30 A	3	4	3	HBL430RS2W	5HJ25	HBL430CS2W	5HJ21	HBL430PS2W	5HJ23
60 A	2	3	1	HBL360RS2W	5HJ13	HBL360CS2W	4TAD3	HBL360PS2W	4TAD4
60 A	3	4	3	HBL460RS2W	5HJ31	HBL460CS2W	5HJ27	HBL460PS2W	5HJ29
100 A	2	3	1	HBL3100RS2W	5HJ01	HBL3100CS2W	4TAC9	HBL3100PS2W	4TAD1
100 A	3	4	3	HBL4100RS2W	5HJ19	HBL4100CS2W	5HJ15	HBL4100PS2W	5HJ17

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## **Boxes for Pin and Sleeve Receptacles and Inlets**

Nonmetallic models are high-grade thermoplastic; they resist chemicals, abuse, and UV rays, and meet NEMA Type 4X when installed with watertight conduit hub. Metallic models are cast-aluminum with gray enamel paint for corrosion resistance.

Amps	Item	Material	Angle	Hub	Mfr. Model	ltem No.			
For Stan	dard. IEC 309 Series*	matorial	Julgio	TTUD	mouor				
20/30	Angle Back Box	Aluminum	15°	3⁄4 in	BB201W	6C127			
20/30	Angle Back Box	Aluminum	15°	1 in	BB301W	6C128			
20/30	Angle Back Box	Thermoplastic	15°	1 in	BB2030N	4CT37			
20/30	Angle Adapter Box	Cast Aluminum	_	—	AA2030PS	3D301			
60	Angle Back Box	Aluminum	15°	1 ¼ in	BB601W	6C130			
60	Angle Back Box	Thermoplastic	15°	1 ¼ in	BB60N	4CT38			
60/100	4-Way Angle Back Box	Aluminum	15°	1 ½ in	FW60/100	6C640			
100/125	Angle Back Box	Aluminum	15°	1 ½ in	BB1001W	6C131			
100/125	Angle Back Box	Thermoplastic	15°	1 ½ in	BB100N	4CT36			
	rk®, VersaMate®, and H								
30	Angle Back Box	Aluminum	15°	3⁄4 in	MB301W	5HJ41			
30	Angle Back Box	Aluminum	15°	1 in	MB302W	5HJ42			
30	Back Box	Aluminum	Straight	3⁄4 in	MB303W	5HJ43			
60/100	4-Way Angle Back Box	Aluminum	15 <sup>°</sup>	1 ¼ in	MB601002W	5HJ45			
60/100	4-Way Angle Back Box	Aluminum	15°	1 ½ in					
60/100	4-Way Angle Back Box	Aluminum	15°	2 in	MB601004W				
60/100	Angle Back Box	Aluminum	15°	1 ¼ in					
60/100	Angle Back Box	Aluminum	15°		MB601007W				
60	Angle Back Box	Aluminum	15°	1 in	MB601W	5HJ51			
60	Angle Back Box	Aluminum	15°	1 ¼ in	MB602W	5HJ52			
60	Back Box	Aluminum	Straight	1 in	MB604W	5HJ54			
* See pag	* See page 318 for IEC 309 Series. † See this page for NEC devices.								

®

#### **Circuit-Lock Watertight** Mechanical Interlock Devices Lockable in Off position

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UL Type 4X, 12K watertight enclosures

 Use appropriate Class J time-delay fuse (see page 172) Space-saving, nonmetallic units incorporate disconnect and receptacle. Meets NEC requirement for a separate disconnect means within sight of motor loads. Arc protection: The devices cannot be turned on without the proper plug fully inserted, and with power On, the plug cannot be removed.



Plug 5HJ23

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3D147

Amps	No. of Poles Series,	No. of Wires	HP	Voltage	Phase	Accepts Plug No.	Mfr. Model	ltem No.
30 A	3	4	15 hp	480V AC	Three	57941	HBL430MIF7W	3D147
60 A	3	4	30 hp	480V AC	Three	5Z917	HBL460MIF7W	3D160
	Series,	Nonfus	ed					
20 A	3	4	2 hp	120/240V AC	Single	6C152	HBL420MI12W	1TJZ6
20 A	3	4	5 hp	250V AC	Three	3D138	HBL420MI9W	1TJZ4
20 A	3	4	10 hp	480V AC	Three	6C125	HBL420MI7W	1TJZ3
20 A	3	4	10 hp	600V AC	Three	3D137	HBL420MI5W	1TJZ5
30 A	3	4	3 hp	120/240V AC	Single	3D149	HBL430MI12W	21XL2
30 A	3	4	7 ½ hp	250V AC	Three	5Z938	HBL430MI9W	6C574
30 A	3	4	15 hp	480V AC	Three	5Z941	HBL430MI7W	6C573
30 A	3	4	20 hp	600V AC	Three	3D150	HBL430MI5W	6C572
30 A	4	5	15 hp	480V AC	Three	6C601	HBL530MI7W	21XL2
60 A	3	4	7 ½ hp	120/240V AC	Single	6C584	HBL460MI12W	21XL2
60 A	3	4	15 hp	250V AC	Three	5Z914	HBL460MI9W	2EAU9
60 A	3	4	30 hp	480V AC	Three	5Z917	HBL460MI7W	6C582
60 A	3	4	40 hp	600V AC	Three	3D162	HBL460MI5W	6C581
60 A	4	5	15 hp	120/208V AC	Three	5Z920	HBL560MI9W	60609
60 A	4	5	40 hp	347/600V AC	Three	_	HBL560MI5W	60608
100 A	3	4	15 hp	120/240V AC	Single	6C555	HBL4100MI12W	21XL1
100 A	3	4	25 hp	250V AC	Three	6C556	HBL4100MI9W	2EAU8
100 A	3	4	50 hp	480V AC	Three	5Z926	HBL4100MI7W	4CT27
100 A	3	4	50 hp	600V AC	Three	3D132	HBL4100MI5W	21XL2
100 A	4	5	20 hp	250V AC	Three	5Z929	HBL5100MI9W	21XL2
	ip UL168	6 Series						
30 A	3	4	20 hp	600V AC/250V DC	Single, Three	5HJ23	HBL430MIFS2W	1TJZ7
60 A	3	4	50 hp	600V AC/250V DC	Single, Three	5HJ29	HBL460MIFS2W	1TJZ8
Insulgrip UL1686 Series, Nonfused								
30 A	3	4	20 hp	600V AC/250V DC	Single, Three	5HJ23	HBL430MIS2W	1TJZ9
60 A	3	4	50 hp	600V AC/250V DC	Single, Three	5HJ29	HBL460MIS2W	1TKA1

## **Safety-Shroud** Twist-Locks®

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Molded thermoplastic shrouds eliminate any possible user contact with energized or partially connected plugs, and keep blades from bending.





Receptacle, Surface Mount 4CV49



4CV48 ANGLE RECEPTACLE, RECEPTACLE RECEPTACLE SEMI FLUSH MOUNT Mfr. Item Model No. PLUG SURFACE MOUNT FLUSH MOUNT Mfr. Item No. of Poles NEMA No of Mfr Item Item Mfr Item Config. Wires HP Voltage Amps Model Model Model Nn Nn Nn Single-Pha HBL2311S HBL2321S HBL2411S HBL2611S 125VAC 250VAC HBL2310AR HBL2320AR 4CT64 4CT60 4CT68 HBL2310SR 4CT61 4CT69 HBL2310SR2 4CT62 HBL2320SR2 4CT70 HBL2320SR HBL2410SR HBL2610SR L6-20 4CT72 L0-20 L14-20 L5-30 L6-30 125/250VAC 125VAC 4CT88 4CV20 4CT85 4CV18 1 Line to Neutral, 2 Line to Line 23 HBL2610AR 4CV17 HBI 2620SB2 4CV26 30 20 250VAC HBI 2621S 4CV28 HBI 2620AB 4CV24 HBI 2620SB 4CV25 30 L14-30 125/250VAC HBL2711S 4CV36 HBL2710AR 4CV32 HBL2710SR 4CV33 HBL2710SR2 4CV34 Three-Phas 250VAC HBL2420SR HBL2430SR HBL2510SR HBL2420SR2 4CT94 HBL2430SR2 4CV03 HBI 242 4CT96 HBL2420AB 4CT92 40793 480VAC HBL2431S 120/208VAC HBL2511S HBL2420AR HBL2510AR 4CV01 4CV09 4CV05 4CV13 4CV02 4CV10 L16-20 L21-20 5.0 2 0 HBL2720SR2 4CV42 L15-30 L16-30 L17-30 L21-30 250VAC 480VAC 600VAC HBL2721S HBL2731S HBL2741S HBL2720SR HBL2730SR HBL2740SR 30 30 30 4CV44 4CV52 4CV41 4CV49 3.0 HBI 2720AF 40140 HBL2730AR 4CV48 HBL2730SR2 4CV50 HBL2740SR2 4CV58 4CV60 4CV57 120/208VAC HBL2811S 4CV68 HBL2810AR 4CV64 HBL2810SR 40165

Angle Receptacle

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