

IEC Pin and Sleeve Watertight Devices

60 and 100 Ampere – North American Ratings
63 and 125 Ampere – International Ratings



IP67
SUITABILITY

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

Note: See page E-9 and E-10 for back boxes and accessories, E-11 and E-12 for product dimensions, E-13 and E-14 for product specifications and HP ratings.
All 63A and all 125A devices have pilot pins or contacts.

Closure caps purchased separately, see page E-10. PC60 and PC100 are not UL or CSA.

* Short housing plug HBL5100P9W/SH, see page E-16 for more information. IP22 suitability - length 8.30" (210.8).

† Consult factory.



IEC Pin and Sleeve Specifications and Horsepower Ratings

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.
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.
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.

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

Horsepower Ratings for IEC Pin and Sleeve

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