




IEC Pin and Sleeve Watertight Devices Ordering Information

20 and 30 Ampere – North American Ratings
16 and 32 Ampere – International Ratings

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

Notes: See page E-6, E-7 for accessories. See page E-8, E-9 for product dimensions. See page E-10, E-11 for product specifications.
Closure caps purchased separately, see page E-7.

*For special mounting use HBL320R4WMIL, consult factory.

†Consult factory.

PC320, PC420, PC520, PC3430, PC530 are not UL or CSA.

IEC Pin and Sleeve

Watertight Specifications

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). Certified for current interrupting at full rated current.
Current Interrupting 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	HP Rating
HBL420R9W	HBL420P9W	HBL420C9W	HBL420B9W	3Ø250	2
HBL420R7W	HBL420P7W	HBL420C7W	HBL420B7W	3Ø480	5
HBL420R5W	HBL420P5W	HBL420C5W	HBL420B5W	3Ø600	7½
HBL520R9W	HBL520P9W	HBL520C9W	HBL520B9W	3ØY 120/208	½
HBL520R7W	HBL520P7W	HBL520C7W	HBL520B7W	3ØY 277/480	5
HBL520R5W	HBL520P5W	HBL520C5W	HBL520B5W	3ØY 347/600	7½
HBL430R9W	HBL430P9W	HBL430C9W	HBL430B9W	3Ø250	3
HBL430R7W	HBL430P7W	HBL430C7W	HBL430B7W	3Ø480	7½
HBL430R5W	HBL430P5W	HBL430C5W	HBL430B5W	3Ø600	10
HBL530R9W	HBL530P9W	HBL530C9W	HBL530B9W	3ØY 120/208	2
HBL530R7W	HBL530P7W	HBL530C7W	HBL530B7W	3ØY 277/480	7½
HBL530R5W	HBL530P5W	HBL530C5W	HBL530B5W	3ØY 347/600	10
HBL460R9W	HBL460P9W	HBL460C9W	HBL460B9W	3Ø250	5
HBL460R7W	HBL460P7W	HBL460C7W	HBL460B7W	3Ø480	10
HBL460R5W	HBL460P5W	HBL460C5W	HBL460B5W	3Ø600	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	3Ø250	10
HBL4100R7W	HBL4100P7W	HBL4100C7W	HBL4100B7W	3Ø480	30
HBL4100R5W	HBL4100P5W	HBL4100C5W	HBL4100B5W	3Ø600	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