

IEC 309 PIN & SLEEVE DEVICES • ACCESSORIES

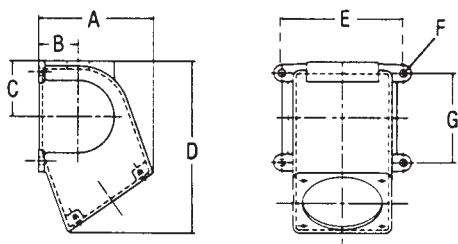
BACK BOXES for use with Walther straight watertight and splashproof receptacles.



Cat. No.	Description	Hub Size	Dimensions (inches)							Cubic Inch Capacity
			A	B	C	D	E	F	G	
BE3-B75	20° angle for 20A, 4 and 5 wire recepts. and all 30A recepts.	3/4"	3.34	0.97	1.12	4.12	4.00	0.25		20.4
BE3-B100		1"								
BE6-B125	20° angle for all 60A receptacles	1 1/4"	4.41	1.41	2.09	5.63	5.00	0.28	3.00	59.7
BE6-B150		1 1/2"								
BE10-B150	20° angle for all 100A receptacles	1 1/2"	5.18	1.78	2.50	7.71	5.50	.34	4.00	96.6
BE10-B200		2"								

Cast Aluminum Junction Boxes for Straight Watertight and Splashproof Female Receptacles

Epoxy-coated junction boxes are corrosion resistant and designed to pass the 500-hour salt spray test, the UL hosedown and external icing tests.



BACK BOX ADAPTER PLATES for use with Hubbell back boxes.



Cat. No.	Walther Receptacle	For use with Hubbell Back Box
BB20-3W	20A, 3 Wire	BB201W, BB301W, FT202W or FT302W
BB20-345W	20A, 4 & 5 Wire 30A, 3, 4 & 5 Wire	BB201W, BB301W, FT202W or FT302W
BB60-345W	60A, 3, 4 & 5 Wire	BB601W, BB602W or FW60/100
BB100-345W	100A, 3, 4 & 5 Wire	BB1001W, BB1002W or FW60/100



Can your current device withstand this type of abuse?



Built tough for the most demanding use!



Oil-Grime-Water-we can take it all!

PG THREAD TO NPT THREAD ADAPTERS



Cat. No.	Description	Std. Pkg.
PG11-38	PG11 to 3/8" NPT Adapter	25
PG11-50	PG11 to 1/2" NPT Adapter	25
PG135-50	PG13,5 to 1/2" NPT Adapter	25
PG16-50	PG16 to 1/2" NPT Adapter	25
PG21-75	PG21 to 3/4" NPT Adapter	25
PG29-100	PG29 to 1" NPT Adapter	10
PG29-125	PG29 to 1 1/4" NPT Adapter	5
PG36-125	PG36 to 1 1/4" NPT Adapter	5

For PG thread sizes to NPT thread sizes not shown, consult technical service for price, delivery and minimum order quantities.

WATERTIGHT CLOSURE CAPS for use with watertight male plugs and inlets



Cat. No.	Poles and Wires	Amperage Rating	Std. Pkg Quantity
613300	3 Wire	20	5
633400		30	5
663500		60	2
673500		100	2
613400	4 Wire	20	5
633400		30	5
663500		60	2
673500		100	2
613500	5 Wire	20	5
633500		30	5
663500		60	2
673500		100	2

SPLASHPROOF CLOSURE CAPS for use with splashproof male plugs and inlets



Cat. No.	Poles and Wires	Amperage Rating	Std. Pkg Quantity
614300	3 Wire	20	5
634400		30	5
664500		60	2
614400	4 Wire	20	5
634400		30	5
664500		60	2
614500	5 Wire	20	5
634500		30	5
664500		60	2

PRE-INSTALLED CLOSURE CAPS



Closure caps provide watertight or splashproof protection to disconnected plugs and inlets. The possibility of removing or misplacing the cap can be eliminated by securing the chain or nylon strap to the inlet flange. If the closure cap will be fastened to a plug, Walther can pre-install the cap on the device. This factory installation assures safe and reliable utilization of the two components. Contact customer service for ordering information.

Minimum test requirements

ELECTRICAL

Insulation Resistance Per IEC 309-1, Clause 19	500V for 1 min. Resistance $\geq 5M \Omega$
Dielectric Strength Per IEC 309-1, Clause 19	3000V for 1 min.
Norm. Operation, Connect & Disconnect Cycles Per IEC 309-1, Clause 21	See Table 1
Breaking Capacity Per IEC 309-1, Clause 20	Tested at 110 % of the rated operating voltage and 125% of the rated current.
Temperature Rise Per IEC 309-1, Clause 22	Maximum 50 K rise at full rated current.

MECHANICAL

Cable Secureness Per IEC 309, Clause 23	See Table 2
Impact Per IEC 309, Clause 24	A device is wired with a 2.25m length of flexible cord and dropped from a height of 75 cm, 8 times. The device is then tested for applicable degrees of protection against moisture.

ENVIRONMENTAL

Flammability	Self-extinguishing Per IEC 309-1, Clause 27
Ambient Temperature Range	Minimum: -25°C with impact Maximum: 90°C
Moisture Resistance	Watertight (IP67): Device immersed for 24 hours in water at a temp. of 25°C, the highest point of the device being 5cm (2") below the water level. Splashproof (IP44): Device is sprayed with water for 10 minutes and immediately afterwards subjected to splashing water in all directions (360°).
UV Resistance	Exposed plastic materials are UV stabilized.

TABLE 1

Device Rating Amperes	Cycles with Load at Rated Current and Voltage	No-Load Cycles	Sequence
16	5000 p.f of 0.6	0	-
32	1000 p.f of 0.6	1000	Alternating
63	1000 p.f of 0.6	1000	Alternating
125	250 p.f of 0.7	250	Alternating

The test sequence is conducted by using a no-load, followed by a load sequence.

TABLE 2

Device Rating Amperes	Force	Torque	Maximum Displacement
	N	N•m	mm
16	80	0.350	2
32	100	0.425	2
63	120	0.8	2
125	200	1.5	2

The flexible cord or cable is twisted and pulled. Values for the applied twisting torque and force of pull are shown in Table 2. In all cases the cord displacement is less than 2mm.



DECLARATION OF CONFORMITY

WALTHER WERKE, Ferdinand Walther GmbH
Ramsener Strasse 6
67304 Eisenberg

We declare, under our sole responsibility, the conformity of the following products and standards:

Plugs and Sockets (Pin and Sleeve devices)
DIN EN 60 309, T. 1
DIN EN 60 309, T. 2

This declaration of conformity is according to the EC regulations 73/23, 91/368 and 89/336 (Low Voltage Directive), module A, in consideration of DIN EN 45 014.







DIN EN ISO 9001 Certificate Registration No. 4678-01



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MALE PLUGS



			WATERTIGHT (IP67)	SPLASHPROOF (IP44)		
					with cable gland	with cable sleeve
No. of Wires	Voltage AC	Clock Position of Ground Contact				
3	2P + G	110	219304	211304	210304	216304
		230	219306	211306	210306	216306
		400	219309	211309	210309	216309
4	3P + G	110	219404	211404	210404	216404
		230	219409	211409	210409	216409
		400	219406	211406	210406	216406
		440	219411	211411	210411	216411
		500	219407	211407	210407	216407
		>50 (100-300Hz)	219410	211410	210410	216410
		>50 (300-500Hz)	219402	211402	210402	216402
5	3P + N + G	110	219504	211504	210504	216504
		230	219509	211509	210509	216509
		400	219	211	210	216
		440	219511	211511	210511	216511
7	6P + G	400		211706	210706	







FEMALE CONNECTORS (Couplers)



			WATERTIGHT (IP67)	SPLASHPROOF (IP44)		
					with cable gland	with cable sleeve
No. of Wires	Voltage AC	Clock Position of Ground Contact				
3	2P + G	110	319304	311304	310304	316304
		230	319306	311306	310306	316306
		400	319309	311309	310309	316309
4	3P + G	110	319404	311404	310404	
		230	319409	311409	310409	
		400	319406	311406	310406	
		440	319411	311411	310411	
		500	319407	311407	310407	
		>50 (100-300Hz)	319410	311410	310410	
		>50 (300-500Hz)	319402	311402	310402	
5	3P + N + G	110	319504	311504	310504	
		230	319509	311509	310509	
		400	319	311	310	
		440	319511	311511	310511	
7	6P + G	400		311706	310706	







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FEMALE PANEL MOUNTED SOCKET-OUTLET

			WATERTIGHT (IP67)			SPLASHPROOF (IP44)			
			Straight	Angled 15°	Angled 80°	Straight	Angled 15°	Angled 80°	
3	2P + G	110	4						
		230	6	419304	519304	518304	410304	510304	514304
		400	9	419306	519306	518306	410306	510306	514306
4	3P + G	110	4	419309	519309	518309	410309	510309	514309
		230	9	419404	519404	518404	410404	510404	514404
		400	6	419409	519409	518409	410409	510409	514409
		440	11	419406	519406	518406	410406	510406	514406
		500	7	419411	519411	518411	410411	510411	514411
		>50 (100-300Hz)	10	419407	519407	518407	410407	510407	514407
>50 (300-500Hz)	2	419410	519410	518410	410410	510410	514410		
5	3P + N + G	110	4	419402	519402	518402	410402	510402	514402
		230	9	419504	519504	518504	410504	510504	514504
		400	6	419509	519509	518509	410509	510509	514509
		440	11	419	519	518	410	510	514
7	6P + G	400	6	419511	519511	518511	410511	510511	514511
							411706		514706

Note: See page 28 for surface mount socket-outlets.





MALE APPLIANCE PLUG (Inlet)

			WATERTIGHT (IP67)		SPLASHPROOF (IP44)				
			Angled 80°	Surface Mount	Straight	Angled 80°	Surface Mount External Mounting	Surface Mount Internal Mounting	
3	2P + G	110	4						
		230	6	619304	618304	615304	611304	610304	
		400	9	619306	618306	615306	611306	610306	
4	3P + G	110	4	619309	618309	615309	611309	610309	
		230	9	619404	618404	615404	611404	610404	616404
		400	6	619409	618409	615409	611409	610409	616409
		440	11	619406	618406	615406	611406	610406	616406
		500	7	619411	618411	615411	611411	610411	616411
		>50 (100-300Hz)	10	619407	618407	615407	611407	610407	616407
>50 (300-500Hz)	2	619410	618410	615410	611410	610410	616410		
5	3P + N + G	110	4	619402	618402	615402	611402	610402	616402
		230	9	619504	618504	615504	611504	610504	616504
		400	6	619509	618509	615509	611509	610509	616509
		440	11	619	618	615	611	610	616
7	6P + G	400	6	619511	618511	615511	611511	610511	616511
						615706	611706	610706	616706

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MALE PLUGS



	No. of Wires	Voltage AC	Clock Position of Ground Contact	WATERTIGHT (IP67)	SPLASHPROOF (IP44)		
					with cable gland 	with cable sleeve 	Angled 90° 
3	2P + G	110	4	239304	231304	230304	236304
		230	6	239306	231306	230306	236306
		400	9	239309	231309	230309	236309
4	3P + G	110	4	239404	231404	230404	236404
		230	9	239409	231409	230409	236409
		400	6	239406	231406	230406	236406
		380/440*	3	239403*			
		440	11	239411	231411	230411	236411
		500	7	239407	231407	230407	236407
		>50 (100-300Hz)	10	239410	231410	230410	236410
>50 (300-500Hz)	2	239402	231402	230402	236402		
5	3P + N + G	110	4	239504	231504	230504	236504
		230	9	239509	231509	230509	236509
		400	6	239	231	230	236
		440	11	239511	231511	230511	236511
7	6P + G	400			231706	230706	







FEMALE CONNECTORS (Couplers)



	No. of Wires	Voltage AC	Clock Position of Ground Contact	WATERTIGHT (IP67)	SPLASHPROOF (IP44)	
					with cable gland 	with cable sleeve 
3	2P + G	110	4	339304	331304	330304
		230	6	339306	331306	330306
		400	9	339309	331309	330309
4	3P + G	110	4	339404	331404	330404
		230	9	339409	331409	330409
		400	6	339406	331406	330406
		380/440*	3	339403*		
		440	11	339411	331411	330411
		500	7	339407	331407	330407
		>50 (100/300Hz)	10	339410	331410	330410
>50 (300/500Hz)	2	339402	331402	330402		
5	3P + N + G	110	4	339504	331504	330504
		230	9	339509	331509	330509
		400	6	339	331	330
		440	11	339511	331511	330511
7	6P + G	400			331706	330706







* Only for refrigerated containers.

FEMALE PANEL MOUNTED SOCKET-OUTLET

			WATERTIGHT (IP67)			SPLASHPROOF (IP44)			
			Straight	Angled 15°	Angled 80°	Straight	Angled 15°	Angled 80°	
									
No. of Wires	Voltage AC	Clock Position of Ground Contact							
3	2P + G	110	4	439304	539304	538304	430304	530304	534304
		230	6	439306	539306	538306	430306	530306	534306
		400	9	439309	539309	538309	430309	530309	534309
4	3P + G	110	4	439404	539404	538404	430404	530404	534404
		230	9	439409	539409	538409	430409	530409	534409
		400	6	439406	539406	538406	430406	530406	534406
		380/440*	3	439403*					
		440	11	439411	539411	538411	430411	530411	534411
		500	7	439407	539407	538407	430407	530407	534407
		>50 (100-300Hz)	10	439410	539410	538410	430410	530410	534410
	>50 (300-500Hz)	2	439402	539402	538402	430402	530402	534402	
5	3P + N + G	110	4	439504	539504	538504	430504	530504	534504
		230	9	439509	539509	538509	430509	530509	534509
		400	6	439	539	538	430	530	534
		440	11	439511	539511	538511	430511	530511	534511
7	6P + G	400	6				431706		534706

Note: See page 28 for surface mount socket-outlets.

MALE APPLIANCE PLUG (Inlet)




			WATERTIGHT (IP67)		SPLASHPROOF (IP44)				
			Angled 80°	Surface Mount	Straight	Angled 80°	Surface Mount External Mounting	Surface Mount Internal Mounting	
									
No. of Wires	Voltage AC	Clock Position of Ground Contact							
3	2P + G	110	4	639304	638304	635304	631304	630304	636304
		230	6	639306	638306	635306	631306	630306	636306
		400	9	639309	638309	635309	631309	630309	636309
4	3P + G	110	4	639404	638404	635404	631404	630404	636404
		230	9	639409	638409	635409	631409	630409	636409
		400	6	639406	638406	635406	631406	630406	636406
		380/440*	3	639403*	638403*				
		440	11	639411	638411	635411	631411	630411	636411
		500	7	639407	638407	635407	631407	630407	636407
		>50 (100-300Hz)	10	639410	638410	635410	631410	630410	636410
	>50 (300-500Hz)	2	639402	638402	635402	631402	630402	636402	
5	3P + N + G	110	4	639504	638504	635504	631504	630504	636504
		230	9	639509	638509	635509	631509	630509	636509
		400	6	639	638	635	631	630	636
		440	11	639511	638511	635511	631511	630511	636511
7	6P + G	400	6			635706	631706	630706	636706

* Only for refrigerated containers.

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MALE PLUGS



			WATERTIGHT (IP67)	SPLASHPROOF (IP44)		
					with cable gland	with cable sleeve
No. of Wires	Voltage AC	Clock Position of Ground Contact				
3	2P + G	110	4	269304	261304	260304
		230	6	269306	261306	260306
		400	9	269309	261309	260309
4	3P + G	110	4	269404	261404	260404
		230	9	269409	261409	260409
		400	6	269406	261406	260406
		440	11	269411	261411	260411
		500	7	269407	261407	260407
5	3P + N + G	110	4	269504	261504	260504
		230	9	269509	261509	260509
		400	6	269	261	260
		440	11	269511	261511	260511

FEMALE CONNECTORS (Couplers)



			WATERTIGHT (IP67)	SPLASHPROOF (IP44)		
					with cable gland	with cable sleeve
No. of Wires	Voltage AC	Clock Position of Ground Contact				
3	2P + G	110	4	369304	361304	360304
		230	6	369306	361306	360306
		400	9	369309	361309	360309
4	3P + G	110	4	369404	361404	360404
		230	9	369409	361409	360409
		400	6	369406	361406	360406
		440	11	369411	361411	360411
		500	7	369407	361407	360407
5	3P + N + G	110	4	369504	361504	360504
		230	9	369509	361509	360509
		400	6	369	361	360
		440	11	369511	361511	360511

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FEMALE PANEL MOUNTED SOCKET-OUTLET



			WATERTIGHT (IP67)			SPLASHPROOF (IP44)		
			Straight	Angled 15°	Angled 80°	Straight	Angled 15°	Angled 80°
3	2P + G	110						
		230	469304	569304	568304	460304	560304	564304
		400	469306	569306	568306	460306	560306	564306
4	3P + G	110	469309	569309	568309	460309	560309	564309
		230	469404	569404	568404	460404	560404	564404
		400	469409	569409	568409	460409	560409	564409
		440	469406	569406	568406	460406	560406	564406
		500	469411	569411	568411	460411	560411	564411
5	3P + N + G	110	469407	569407	568407	460407	560407	564407
		230	469504	569504	568504	460504	560504	564504
		400	469509	569509	568509	460509	560509	564509
		440	469	569	568	460	560	564
		11	469511	569511	568511	460511	560511	564511

Note: See page 28 for surface mount receptacles.

MALE APPLIANCE PLUG (Inlet)



			WATERTIGHT (IP67)		SPLASHPROOF (IP44)	
			Angled 80°	Surface Mount	Straight	Angled 80°
3	2P + G	110				
		230	669304	668304		661304
		400	669306	668306		661306
4	3P + G	110	669309	668309		661309
		230	669404	668404		661404
		400	669409	668409		661409
		440	669406	668406		661406
		500	669411	668411		661411
5	3P + N + G	110	669407	668407		661407
		230	669504	668504	665504	661504
		400	669509	668509	665509	661509
		440	669	668	665	661
		11	669511	668511	665511	661511

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MALE PLUGS



WATERTIGHT (IP67)



	No. of Wires	Voltage AC	Clock Position of Ground Contact	
3	2P + G	110	4	279304
		230	6	279306
		400	9	279309
4	3P + G	110	4	279404
		230	9	279409
		400	6	279406
		440	11	279411
		500	7	279407
5	3P + N + G	110	4	279504
		230	9	279509
		400	6	279
		440	11	279511

FEMALE CONNECTORS (Couplers)



WATERTIGHT (IP67)





	No. of Wires	Voltage AC	Clock Position of Ground Contact	
3	2P + G	110	4	379304
		230	6	379306
		400	9	379309
4	3P + G	110	4	379404
		230	9	379409
		400	6	379406
		440	11	379411
		500	7	379407
5	3P + N + G	110	4	379504
		230	9	379509
		400	6	379
		440	11	379511

Note: 125-Amp devices are only available in IP67-Watertight configuration.

FEMALE PANEL MOUNTED SOCKET-OUTLET





			WATERTIGHT (IP67)		
			Straight	Angled 15°	
No. of Wires	Voltage AC	Clock Position of Ground Contact			
3	2P + G	110	4	479304	579304
		230	6	479306	579306
		400	9	479309	579309
4	3P + G	110	4	479404	579404
		230	9	479409	579409
		400	6	479406	579406
		440	11	479411	579411
		500	7	479407	579407
5	3P + N + G	110	4	479504	579504
		230	9	479509	579509
		400	6	479	579
		440	11	479511	579511

Note: See page 28 for surface mount receptacles.

MALE APPLIANCE PLUG (Inlet)



			WATERTIGHT (IP67)		
			Straight	Surface Mount	
No. of Wires	Voltage AC	Clock Position of Ground Contact			
3	2P + G	110	4	679304	678304
		230	6	679306	678306
		400	9	679309	678309
4	3P + G	110	4	679404	678404
		230	9	679409	678409
		400	6	679406	678406
		440	11	679411	678411
		500	7	679407	678407
5	3P + N + G	110	4	679504	678504
		230	9	679509	678509
		400	6	679	678
		440	11	679511	678511

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SURFACE MOUNT SOCKET-OUTLETS (Internal Mounting)



			WATERTIGHT (IP67)				SPLASHPROOF (IP44)			
			16 Amps	32 Amps	63 Amps	125 Amps	16 Amps	32 Amps	63 Amps	
3	2P + G	110	4							
		230	6							
		400	9							
4	3P + G	110	4							
		230	9							
		400	6							
		440	11							
		500	7							
		>50 (100-300Hz)	10							
>50 (300-500Hz)	2									
5	3P + N + G	110	4							
		230	9							
		400	6							
		440	11							
7	6P + G	400	6							

SURFACE MOUNT SOCKET-OUTLETS (External Mounting)



			SPLASHPROOF (IP44)		
			16 Amps	32 Amps	
3	2P + G	110	4		
		230	6		
		400	9		
4	3P + G	110	4		
		230	9		
		400	6		
		440	11		
		500	7		
		>50 (100-300Hz)	10		
>50 (300-500Hz)	2				
5	3P + N + G	110	4		
		230	9		
		400	6		
		440	11		
7	6P + G	400	6		