

TECHNICAL CHARACTERISTICS

61 SL / 63 SL - RAPID ASSEMBLY AND WIRING PLUGS AND SOCKETS

REFERENCE STANDARDS

The IEC 309 SL industrial plugs and sockets meets the dimensional, construction-performance and safety requirements defined by IEC 60309-1 and IEC 60309-2 International Standards assimilated on a European level as EN 60309-1 and EN 60309-2 Standards.

For the purpose of ensuring maximum safety, reliability and quality, GEWISS has specifically designed the terminal as well.

In fact, development of the terminal took into consideration the requirements of the IEC 60998-2-3 International Standards assimilated on a European level as EN 60998-2-3 Standard regarding insulation perforation terminals.

CHARACTERISTICS OF THE TERMINAL

The terminal is made from special high-quality copper alloys.

It enables clamping of the flexible type copper wires for a range of nominal sections from 1 to 2.5 mm². The perforating system can cut cable insulated in PVC or rubber.

For its conformation, terminal tightening occurs without the use of special tools. In accordance with regulations, every terminal is marked with the corresponding polarity and can be reused for an unlimited number of times. To disconnect the cable, the slider can be released simply by using a screwdriver.

CHARACTERISTICS OF THE MATERIALS

The parts in insulating material are made of self-extinguishing thermoplastic polymers, with high dimensional stability, resistant to chemical and atmospheric agents. Sockets and plugs are in brass.

The plugs are nickel-plated for better abrasion and corrosion resistance. The socket lid closing springs are in stainless steel.

ELECTRICAL CHARACTERISTICS	
Nominal voltage Un:	110 ÷ 500 V
Nominal current In:	16 A
Nominal frequency f:	50/60 Hz
Overtemperature test:	carried out according to EN 60998-1 Standard at I = 24 A
Breaking capacity:	20A at 1.1 Un
Number of possible operations at Un and In:	> 5000 operations
Insulation resistance:	> 10 MW Ω

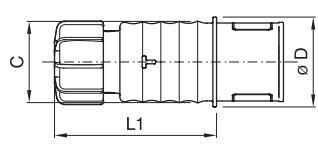
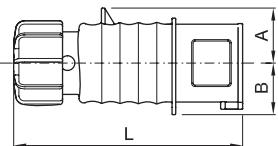
MECHANICAL AND PHYSICAL CHARACTERISTICS	
Operating temperature:	- 25 ÷ +40 °C
Terminal connection capacity:	flexible cables with sections from 1 mm ² to 2.5 mm ²
External section of usable cables:	2P+ $\frac{1}{2}$ from 8.1 to 13 mm 3P+ $\frac{1}{2}$ from 8.8 to 14 mm 3P+N+ $\frac{1}{2}$ from 10 to 15 mm
Impact resistance according to 50102:	IK 08 (5J)
Self-extinguishing according to thermo-pressure with ball:	125 °C (socket or plug) 80 °C (all other parts)
Self-extinguishing according to Glow Wire Test:	850 °C (socket or plug) 650 °C (all other parts)

BEHAVIOUR WITH CHEMICAL AND CORROSIVE AGENTS										
Saline solution	Acids		Bases		Solvents				Mineral oil	UV Rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Not resistant	Limited resistance	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

TECHNICAL CHARACTERISTICS

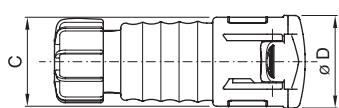
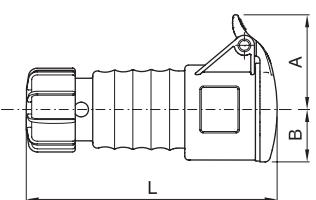
DIMENSION TABLES

PROTECTED STRAIGHT TRAILING PLUGS



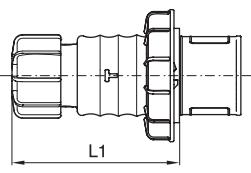
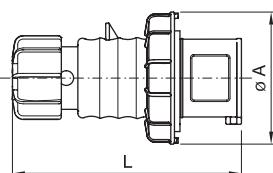
Type	A	B	C	D	L	L1
16A	2P+ $\frac{1}{2}$	30	28	45	49	125
16A	3P+ $\frac{1}{2}$	34	32	80	88	125
16A	3P+N+ $\frac{1}{2}$	37	36	55	62	137
						100

PROTECTED STRAIGHT CONNECTORS



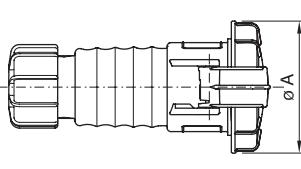
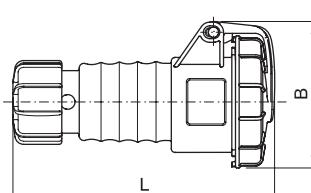
Type	A	B	C	D	L
16A	2P+ $\frac{1}{2}$	52	29	49	51
16A	3P+ $\frac{1}{2}$	54	32	55	57
16A	3P+N+ $\frac{1}{2}$	58	36	62	66
					149

WATERTIGHT STRAIGHT TRAILING PLUGS



Type	A	L	L1
16A	2P+ $\frac{1}{2}$	72	125
16A	3P+ $\frac{1}{2}$	80	125
16A	3P+N+ $\frac{1}{2}$	88	137
			103

WATERTIGHT STRAIGHT CONNECTORS



Type	A	B	L
16A	2P+ $\frac{1}{2}$	72	80
16A	3P+ $\frac{1}{2}$	80	88
16A	3P+N+ $\frac{1}{2}$	88	96
			155

TECHNICAL CHARACTERISTICS

60 / 61 / 62 / 63 / 64 - IEC 309 PLUGS, SOCKETS AND OUTLET-SOCKETS

A range of removable type trailing and fixed plugs and sockets for industrial use, compliant with dimensional and performance standards unified on an international level (IEC 60309) and assimilated by European Standards (EN 60309) and Italian Standards (CEI 23-12). Equipped with an extra pilot contact (CP) for executing the electrical interlock on plug and socket versions with nominal current 63 and 125A. These supplement the range of 90° fixed plugs and 10° and 90° sockets. Elastic sockets and plugs obtained from bar in solid brass type Pt. CuZn40Pb2 (Cu 58%, Zn 40%, Pb 2%); anti-loosening terminal with unloosable screws, cable clamp incorporated with anti-abrasion cable glands.

The range of multiple-outlet sockets, adaptors and shunts should be considered an integral part of the electrical system, since they are products suitable only for temporary, trailing installations and connections, and not for permanent applications. Furthermore, the range cannot be used in areas with a fire hazard.

TECHNICAL DATA AND COMPLIANCE WITH STANDARDS

Reference Standards	Nominal voltage Un (V)	Nominal current In (A)	Permissible overload (A)	Total No. operations	Breaking capacity at 1.1 Un (A)	Impact resistance (IK code) at ambient temperature	Insulation resistance (MΩ)	Resistance to abnormal heat and fire	
								Thermo- pressure with ball (°C)	Glow Wire Test (°C)
CEI 23-12/1	from 110 to 500	16	22	> 5000	20	IK 08	> 10	125 (active parts) 80 (passive parts)	850 (active parts) 650 (passive parts)
CEI 23-12/2		32	42	> 2000	40				
EN 60309-1/2		63	–	> 2000	79				
IEC 309-1/2		125	–	> 500	156				

BEHAVIOUR WITH CHEMICAL AND CORROSIVE AGENTS

Agent	Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
		Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistance	Resistant	Not resistant	Limited resistance	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

TECHNICAL CHARACTERISTICS

Socket or plug nominal current	TERMINAL CLAMPING CAPACITY (mm ²)					Possibility of clamping several wires in the same terminal
	flexible cables		rigid or stranded cables			
	min	max	min	max		
16A	1	2.5	1.5	4		Up to 2 flexible cables with total section not exceeding the clamping capacity
32A	2.5	6	2.5	10		
63A	6	16	6	25		
125A	16	50	25	70		

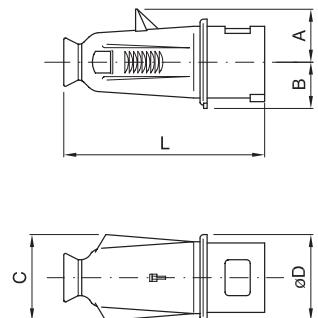
APPLICATION FIELDS				
Sector	Environment	Typical system	Socket nominal currents (A)	Recommended installation
Commercial	Data processing centres	Connection of "big" processors with $I_{AN} > 3.5$ mA	16	IP 44 flush-mounting
	Public entertainment premises	Stage light connection	16 - 32	
Industrial	Maintenance Departments	Movable and portable user connection	16 - 32	IP 67 surface-mounting on IP 55 Q-DIN
	Production departments	Machine tool and process machine connection	63 - 125	IP 67 surface-mounting
	Chemical industry			
Building industry	Construction and demolition sites	Distribution boards	16 - 32 - 63	On Q-BOX ASC
		Plugs and sockets boards	16 - 32	On Q-DIN ASC
Agriculture	Greenhouses	Movable sprayers and pumps	16	IP 67 surface-mounting On IP 55 Q-DIN
	Sheds	Movable and portable machinery connection	16 - 32 - 63	
Tourism	Campsites	Power outlet in service area	16 - 32	On 68 Q-MC range terminal
	Tourist harbours		16 - 125	

EXTERNAL CABLE SECTION					
Nominal current In (A)	No. poles	Sections allowed by the IEC 309 Standard		Sections allowed by the GEWISS IEC 309 Range	
		Min. (mm)	Max. (mm)	Min. (mm)	Max. (mm)
16	2P+ $\frac{1}{2}$	8.1	13	8	13.2
	3P+ $\frac{1}{2}$	8.8	14	8.5	14.3
	3P+N+ $\frac{1}{2}$	10	15.3	10	15.6
32	2P+ $\frac{1}{2}$	11.5	17.3	11	19.6
	3P+ $\frac{1}{2}$	12.5	19.3	12	19.6
	3P+N+ $\frac{1}{2}$	14	21.3	14	21.6
63	2P+ $\frac{1}{2}$	17.3	26	17	37
	3P+ $\frac{1}{2}$	19.3	28.5	19	37
	3P+N+ $\frac{1}{2}$	21.3	31.3	21	37
125	3P+ $\frac{1}{2}$	28.5	43.3	28	49
	3P+N+ $\frac{1}{2}$	31.3	being studied	31	49

TECHNICAL CHARACTERISTICS

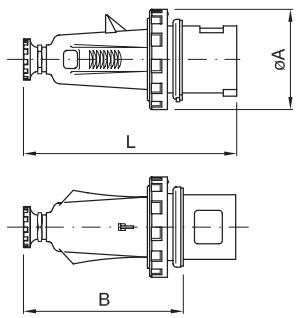
DIMENSION TABLES

PROTECTED STRAIGHT TRAILING PLUGS



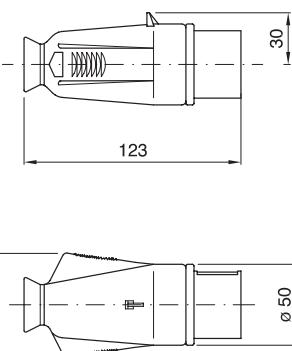
TYPE	A	B	C	D	L
2P + $\frac{1}{2}$	30	28.5	56	51	125
16 A	3P + $\frac{1}{2}$	34	32	60	56
3P + N + $\frac{1}{2}$	38	36	66	63	137
2P + $\frac{1}{2}$	40	38.5	66	65	157
32 A	3P + $\frac{1}{2}$	40	38.5	66	65
3P + N + $\frac{1}{2}$	45	42	71	71	157

WATERTIGHT STRAIGHT TRAILING PLUGS



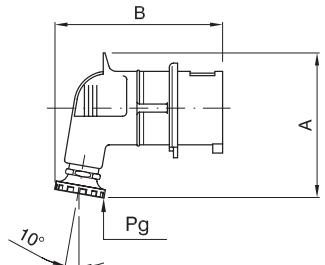
TYPE	A	B	L	Pg
16 A	2P + $\frac{1}{2}$	73	105	138
	3P + $\frac{1}{2}$	81	113	147
	3P + N + $\frac{1}{2}$	89	125	158
32 A	2P + $\frac{1}{2}$	95	135	177
	3P + $\frac{1}{2}$	95	135	177
	3P + N + $\frac{1}{2}$	102	135	177
63 A	2P + $\frac{1}{2}$	113	167	228
	3P + $\frac{1}{2}$	113	167	228
	3P + N + $\frac{1}{2}$	113	167	228
125 A	3P + $\frac{1}{2}$	130	230	300
	3P + N + $\frac{1}{2}$	130	230	300
	3P + N + $\frac{1}{2}$	130	230	300

EXTRA LOW-VOLTAGE PROTECTED STRAIGHT TRAILING PLUGS



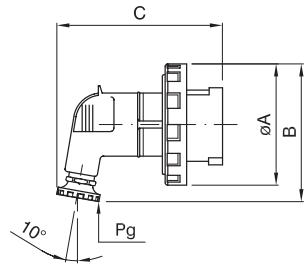
Dimensions valid for all versions

PROTECTED 90° TRAILING PLUGS



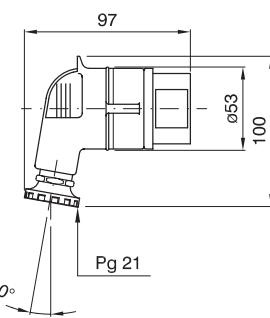
TYPE	A	B	Pg
2P + $\frac{1}{2}$	88	105	16
16 A	3P + $\frac{1}{2}$	94	108
3P + N + $\frac{1}{2}$	101	119	16
2P + $\frac{1}{2}$	113	129	21
32 A	3P + $\frac{1}{2}$	113	129
3P + N + $\frac{1}{2}$	121	140	21

WATERTIGHT 90° TRAILING PLUGS



TYPE	A	B	C	Pg
16 A	2P + $\frac{1}{2}$	73	95	105
	3P + $\frac{1}{2}$	80	100	108
	3P + N + $\frac{1}{2}$	88	107	119
32 A	2P + $\frac{1}{2}$	95	121	129
	3P + $\frac{1}{2}$	95	121	129
	3P + N + $\frac{1}{2}$	102	127	140

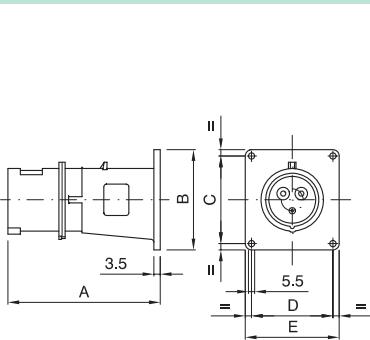
EXTRA LOW-VOLTAGE PROTECTED 90° TRAILING PLUGS



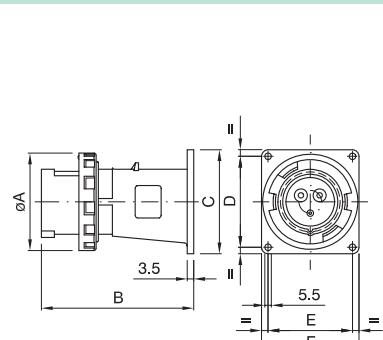
Dimensions valid for all versions

TECHNICAL CHARACTERISTICS

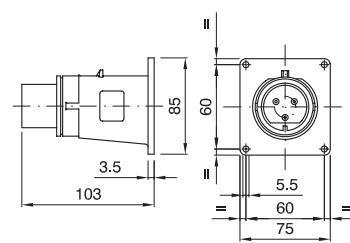
FLUSH-MOUNTING PROTECTED PLUGS



WATERTIGHT FLUSH-MOUNTING PLUGS



EXTRA LOW VOLTAGE FLUSH-MOUNTING PROTECTED FIXED PLUGS

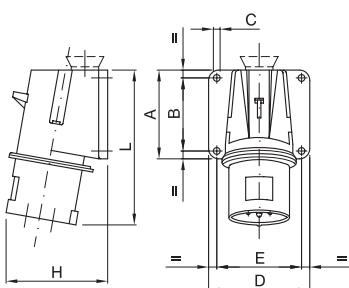


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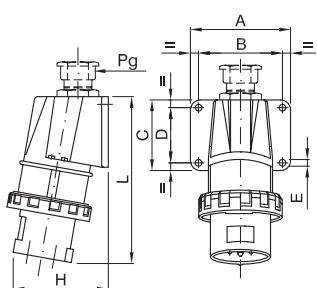
TYPE	A	B	C	D	E
2P + $\frac{1}{2}$	116	85	60	60	75
16 A 3P + $\frac{1}{2}$	121	85	60	60	75
3P + N + $\frac{1}{2}$	131	85	60	60	75
2P + $\frac{1}{2}$	140	95	70	60	80
32 A 3P + $\frac{1}{2}$	140	95	70	60	80
3P + N + $\frac{1}{2}$	152	95	70	60	80

TYPE	A	B	C	D	E	F
2P + $\frac{1}{2}$	73	116	85	60	60	75
16 A 3P +	81	121	85	60	60	75
3P + N + $\frac{1}{2}$	89	131	85	60	60	75
2P + $\frac{1}{2}$	95	140	95	70	60	80
32 A 3P + $\frac{1}{2}$	95	140	95	70	60	80
3P + N + $\frac{1}{2}$	102	152	95	70	60	80

SURFACE-MOUNTING PROTECTED 90° PLUGS



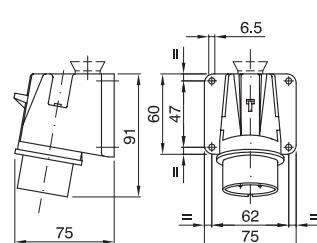
SURFACE-MOUNTING 90° WATERTIGHT PLUGS



TYPE	A	B	C	D	E	H	L
2P + $\frac{1}{2}$	60	47	6.5	75	62	78	106
16 A 3P + $\frac{1}{2}$	65	52	6.5	80	67	86	110
3P + N + $\frac{1}{2}$	75	62	6.5	85	72	90	122
2P + $\frac{1}{2}$	80	67	6.5	90	77	93	135
32 A 3P + $\frac{1}{2}$	80	67	6.5	90	77	93	135
3P + N + $\frac{1}{2}$	80	67	6.5	90	77	103	135

TYPE	A	B	C	D	E	H	L	Pg
2P + $\frac{1}{2}$	75	62	60	47	6.5	83	115	21
16 A 3P + $\frac{1}{2}$	82	67	65	52	6.5	98	120	21
3P + N + $\frac{1}{2}$	90	72	75	62	6.5	105	130	21
2P + $\frac{1}{2}$	95	77	80	67	6.5	115	145	21
32 A 3P + $\frac{1}{2}$	95	77	80	67	6.5	115	145	21
3P + N + $\frac{1}{2}$	105	77	80	67	6.5	122	145	21
2P + $\frac{1}{2}$	115	95	90	70	6.5	135	200	36
63 A 3P + $\frac{1}{2}$	115	95	90	70	6.5	135	200	36
3P + N + $\frac{1}{2}$	115	95	90	70	6.5	135	200	36
125 A 3P + $\frac{1}{2}$	140	120	140	120	6.5	150	280	48
3P + N + $\frac{1}{2}$	140	120	140	120	6.5	150	280	48

EXTRA LOW VOLTAGE 90° SURFACE-MOUNTING PROTECTED FIXED PLUGS

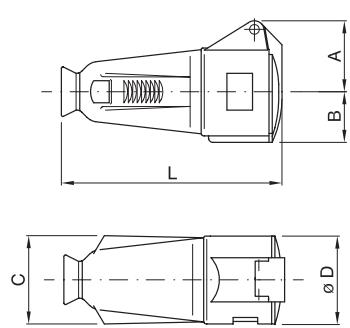


Dimensions valid for all versions

TECHNICAL CHARACTERISTICS

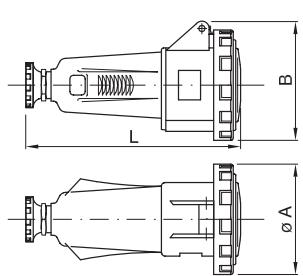
DIMENSION TABLES

PROTECTED STRAIGHT CONNECTORS



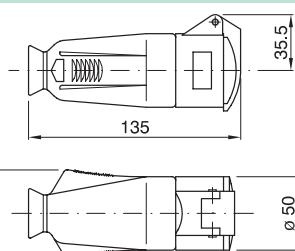
TYPE	A	B	C	D	L	
2P + $\frac{1}{2}$	40.5	28.5	56	51	132	
16 A	3P + $\frac{1}{2}$	43	32	60	56	132
	3P + N + $\frac{1}{2}$	47	36	66	63	144
32 A	2P + $\frac{1}{2}$	48	38.5	66	65	164
	3P + $\frac{1}{2}$	48	38.5	66	65	164
	3P + N + $\frac{1}{2}$	51	42	71	71	164

WATERTIGHT STRAIGHT CONNECTORS



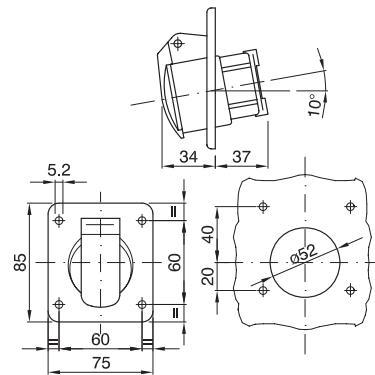
TYPE	A	B	L	Pg
16 A	2P + $\frac{1}{2}$	73	82	157
	3P + $\frac{1}{2}$	81	90	163
	3P + N + $\frac{1}{2}$	89	98	175
32 A	2P + $\frac{1}{2}$	95	103	195
	3P + $\frac{1}{2}$	95	103	195
	3P + N + $\frac{1}{2}$	102	110	195
63 A	2P + $\frac{1}{2}$	113	118	248
	3P + $\frac{1}{2}$	113	118	248
	3P + N + $\frac{1}{2}$	113	118	248
125 A	2P + $\frac{1}{2}$	130	130	320
	3P + $\frac{1}{2}$	130	130	320
	3P + N + $\frac{1}{2}$	130	130	320

EXTRA LOW-VOLTAGE PROTECTED STRAIGHT CONNECTORS

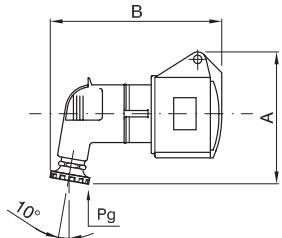


Dimensions valid for all versions

LOW-VOLTAGE PROTECTED

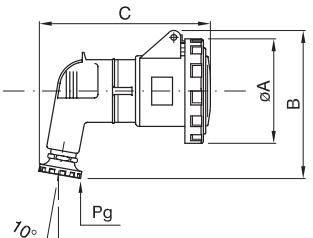


PROTECTED 90° CONNECTORS



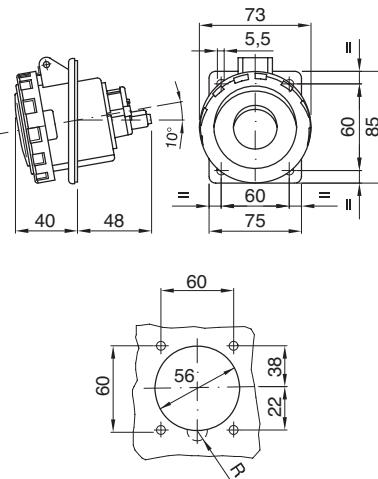
TYPE	A	B	Pg	
2P + $\frac{1}{2}$	99	113	16	
16 A	3P + $\frac{1}{2}$	103	116	16
	3P + N + $\frac{1}{2}$	110	127	16
32 A	2P + $\frac{1}{2}$	121	138	21
	3P + $\frac{1}{2}$	121	138	21
	3P + N + $\frac{1}{2}$	127	149	21

WATERTIGHT 90° CONNECTORS



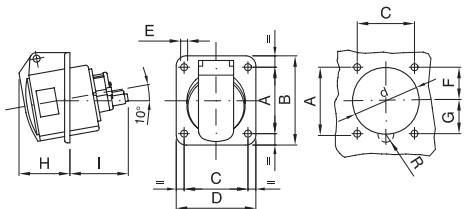
TYPE	A	B	C	Pg
16 A	2P + $\frac{1}{2}$	73	102	123
	3P + $\frac{1}{2}$	80	108	126
	3P + N + $\frac{1}{2}$	88	115	137
32 A	2P + $\frac{1}{2}$	95	128	148
	3P + $\frac{1}{2}$	95	128	148
	3P + N + $\frac{1}{2}$	102	135	159

EXTRA LOW-VOLTAGE WATERTIGHT



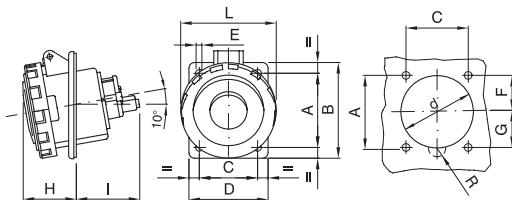
TECHNICAL CHARACTERISTICS

PROTECTED FLUSH-MOUNTING 10° SOCKET-OUTLETS



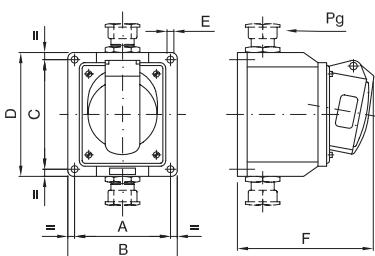
TYPE	A	B	C	D	E	F	G	H	I	$\varnothing d$	R
2P + $\frac{1}{2}$											
(fixing plate)	47	62	47	62	5.5	23.5	23.5	32	48	56	-
16 A	2P + $\frac{1}{2}$	60	85	60	75	5.5	38	22	34	50	56
3P + $\frac{1}{2}$	60	85	60	75	5.5	35	25	33	50	62	-
3P + N + $\frac{1}{2}$	60	85	60	75	5.5	29	31	35	50	65	8
2P + $\frac{1}{2}$	70	95	60	80	5.5	32	38	43	65	68	8
32 A	3P + $\frac{1}{2}$	70	95	60	80	5.5	32	38	43	65	68
3P + N + $\frac{1}{2}$	70	95	60	80	5.5	29.5	40.5	43	65	74	8

WATERTIGHT FLUSH-MOUNTING 10° SOCKET-OUTLETS



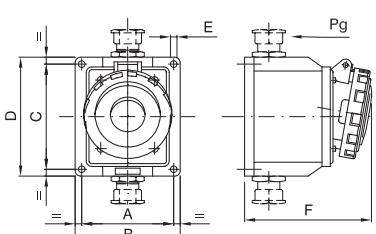
TYPE	A	B	C	D	E	F	G	H	I	L	R	d
2P + $\frac{1}{2}$	60	85	60	75	5.5	38	22	40	48	73	-	56
16 A	2P + $\frac{1}{2}$	60	85	60	75	5.5	35	25	42	48	81	- 62
3P + N + $\frac{1}{2}$	60	85	60	75	5.5	29	31	42	48	89	5	66
2P + $\frac{1}{2}$	70	95	60	80	5.5	32	38	47	63	95	7	68
32 A	2P + $\frac{1}{2}$	70	95	60	80	5.5	32	38	47	63	95	7 68
3P + N + $\frac{1}{2}$	70	95	60	80	5.5	29.5	40.5	48	63	102	7	74
2P + $\frac{1}{2}$	85	110	80	100	6	41	44	61	93	113	11	84
63 A	2P + $\frac{1}{2}$	85	110	80	100	6	41	44	61	93	113	11 84
3P + N + $\frac{1}{2}$	85	110	80	100	6	41	44	61	93	113	11	84
2P + $\frac{1}{2}$	90	114	90	114	6	43	47	80	130	130	13	95
125 A 3P + N + $\frac{1}{2}$	90	114	90	114	6	43	47	80	130	130	13	95

SURFACE-MOUNTING PROTECTED 10° SOCKET-OUTLETS



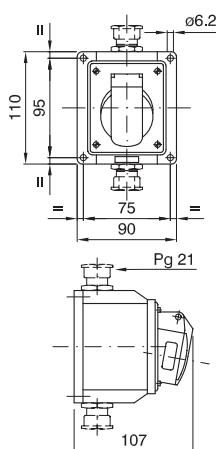
TYPE	A	B	C	D	E	F	Pg	
2P + $\frac{1}{2}$	75	90	95	110	6.2	105	21	
16 A	3P + $\frac{1}{2}$	75	90	95	110	6.2	107	21
3P + N + $\frac{1}{2}$	75	90	95	110	6.2	109	21	
2P + $\frac{1}{2}$	90	105	105	120	6.2	125	21	
32 A	3P + $\frac{1}{2}$	90	105	105	120	6.2	125	21
3P + N + $\frac{1}{2}$	90	105	105	120	6.2	125	21	

SURFACE-MOUNTING WATERTIGHT 10° SOCKET-OUTLETS



TYPE	A	B	C	D	E	F	Pg	
2P + $\frac{1}{2}$	75	90	95	110	6.2	113	21	
16 A	3P + $\frac{1}{2}$	75	90	95	110	6.2	115	21
3P + N + $\frac{1}{2}$	75	90	95	110	6.2	115	21	
2P + $\frac{1}{2}$	90	105	105	120	6.2	130	21	
32 A	3P + $\frac{1}{2}$	90	105	105	120	6.2	130	21
3P + N + $\frac{1}{2}$	90	105	105	120	6.2	130	21	
2P + $\frac{1}{2}$	100	115	125	140	6.2	173	36	
63 A	3P + $\frac{1}{2}$	100	115	125	140	6.2	173	36
3P + N + $\frac{1}{2}$	100	115	125	140	6.2	173	36	

EXTRA LOW VOLTAGE SURFACE-MOUNTED PROTECTED 10° SOCKET-OUTLETS

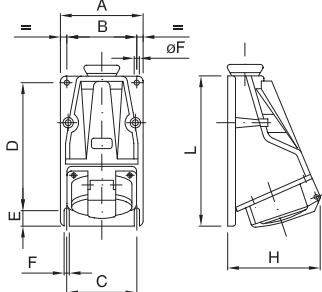


Dimensions valid for all versions

TECHNICAL CHARACTERISTICS

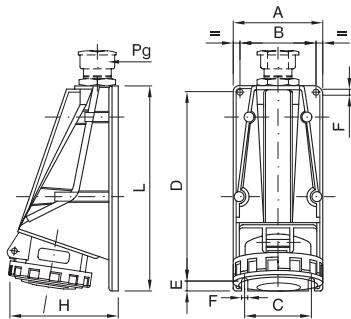
DIMENSION TABLES

SURFACE-MOUNTING PROTECTED 90° SOCKET-OUTLETS



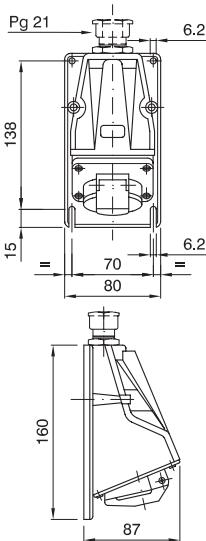
TYPE	A	B	C	D	E	F	H	L
2P + $\frac{1}{2}$	90	70	70	138	15	6	93	160
16 A 3P + $\frac{1}{2}$	90	70	70	138	15	6	98	160
3P + N + $\frac{1}{2}$	90	70	70	138	15	6	103	160
2P + $\frac{1}{2}$	105	85	85	148	15	6	110	170
32 A 3P + $\frac{1}{2}$	105	85	85	148	15	6	110	170
3P + N + $\frac{1}{2}$ 105	85	85	85	148	15	6	115	170

SURFACE-MOUNTING WATERTIGHT 90° SOCKET-OUTLETS



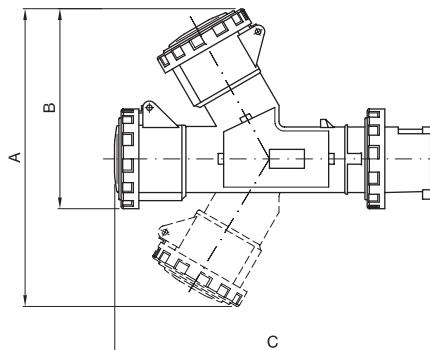
TYPE	A	B	C	D	E	F	H	L	Pg
16 A	90	70	70	138	15	6	95	160	21
3P + $\frac{1}{2}$	90	70	70	138	15	6	100	160	21
3P + N + $\frac{1}{2}$	90	70	70	138	15	6	105	160	21
32 A	105	85	85	148	15	6	113	170	21
3P + $\frac{1}{2}$	105	85	85	148	15	6	113	170	21
3P + N + $\frac{1}{2}$	105	85	85	148	15	6	118	170	21
63 A	115	95	80	230	15	6	140	255	36
3P + $\frac{1}{2}$	115	95	80	230	15	6	140	255	36
3P + N + $\frac{1}{2}$	115	95	80	230	15	6	140	255	36
125 A	132	110	90	275	15	6	160	300	48
3P + $\frac{1}{2}$	132	110	90	275	15	6	160	300	48
3P + N + $\frac{1}{2}$	132	110	90	275	15	6	160	300	48

EXTRA LOW VOLTAGE SURFACE-MOUNTED 90° FIXED SOCKET-OUTLETS



Dimensions valid for all versions

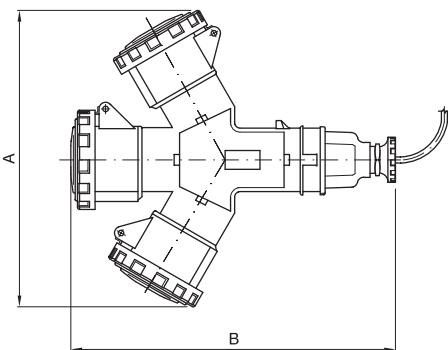
WATERTIGHT MULTIPLE-OUTLET SOCKETS



CODE	A	B	C	NO. OUTPUTS
GW 64 008				
GW 64 010	146	235		
GW 64 009				
GW 64 011	156	246		2
GW 64 012				
GW 64 014	166	258		
GW 64 022				
GW 64 024	218	235		
GW 64 023				3
GW 64 025	230	246		
GW 64 027				

CODE	A	C	NO. OUTPUTS
GW 64 026			
GW 64 028	242	258	
GW 64 059	245	260	
GW 64 060			
GW 64 062	235	265	
GW 64 063	250	280	
GW 64 064	255	295	
GW 64 061	280	305	
GW 64 065	295	370	
GW 64 068	270	270	

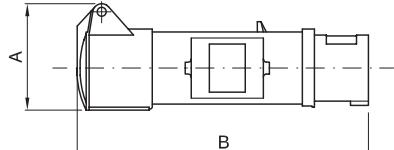
MULTIPLE-OUTLET SOCKETS WITH WATERTIGHT CABLE AND PLUG



CODE	A	B
GW 64 050		
GW 64 052	218	254
GW 64 051		
GW 64 053	230	262
GW 64 055		
GW 64 054	242	277
GW 64 056		

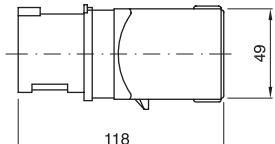
TECHNICAL CHARACTERISTICS

PROTECTED INVERTER ADAPTORS



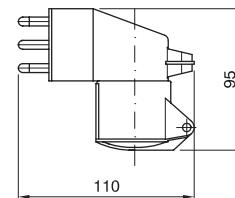
CODE	A	B
GW 64 066	76	196
GW 64 067	83	196

INDUSTRIAL TO DOMESTIC SYSTEM ADAPTORS

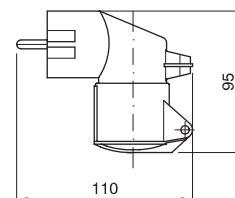


CODE	A
GW 64 203	118
GW 64 204	
GW 64 206	
GW 64 210	
GW 64 211	
GW 64 212	
GW 64 215	
GW 64 207	
GW 64 216	123
GW 64 217	

INDUSTRIAL TO DOMESTIC SYSTEM ADAPTORS

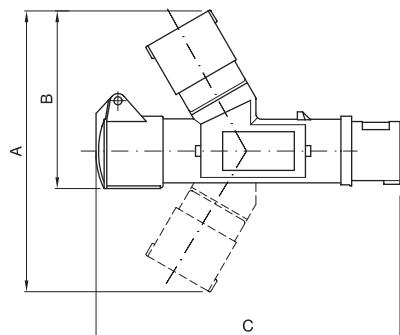


GW 64 208



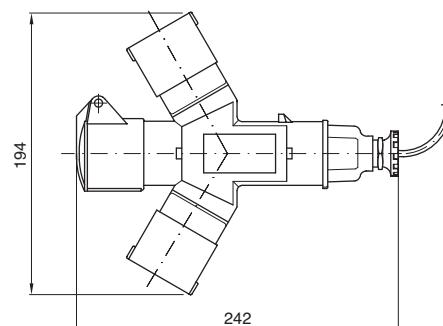
GW 64 209

CONVERSION ADAPTER SHUNTS WITH PLUG



CODE	A	B	C	NO. OUTPUTS
GW 64 221				
GW 64 222		125	233	
GW 64 223				2
GW 64 226				
GW 64 227		134	245	
GW 64 228				
GW 64 231	194		233	
GW 64 232				3
GW 64 236	202		245	
GW 64 237				

CONVERSION ADAPTER SHUNTS WITH CABLE AND PLUG



CODE	A	B
GW 64 263		
GW 64 265	194	242
GW 64 256	202	254