



Plug-and-socket devices

Description

BARTEC's plug-and-socket devices for areas in which an explosion hazard exists are particularly well-suited for use in raw atmospheres because of their high degree of IP protection and their resistance to chemicals. Their integrated switch function gives them the ability to switch overloads as per IEC/EN 60947-3 Cat. AC 22 or AC 23. Silver-plated butting contacts ensure a constant contact pressure with low transfer resistances.

Plugs/couplers

The modular design of the plug-and-socket system allows both plugs and couplers to be supplied. They are supplied in unmounted state.

Wall socket

BARTEC supplies both a fully certified wall socket and a socket with a 30° adapter to flange onto housings.

Plug-and-socket devices from BARTEC are approved in accordance with the European directives not only for Zone 1 and 2, but also for Zone 21 and 22. Likewise for Class I Div. 2 Groups A, B, C, D and Class II Div. 2, Groups E, F, H in accordance with the American standards.

Explosion protection

Ex protection type

- Ex II 2G and D Ex de IIC T6
- Ex tD A21 IP 66/67 T80 °C

Certifications

- Type 07-8101-.... (DXN1)
- LCIE 99 ATEX 6027 X
- LCIE Ex 99.007 X
- Type 07-8102-.... (DXN3)
- LCIE 05 ATEX 6149
- LCIE Ex 06.002
- Type 07-8103-.... (DXN6)
- LCIE 05 ATEX 6150
- LCIE Ex 06.003

Technical data

Protection class

IP 66/IP 67 (EN 60529)

Temperature range

-40 °C to +40 °C
on request to +60 °C

Electrical data

Switching performance in accordance with IEC/EN 60947-3

Voltage	Max. conductor cross-section in mm ²			Type
	Flexible	Rigid	Auxiliary contacts	
440 V*				
20 A AC-23	2.5	4		07-8101
32 A AC-23	10	16		07-8102
32 A AC-23	10	16	2.5	07-8102 with auxiliary contact
60 A AC-22	16	25		07-8103
60 A AC-23	16	25	2.5	07-8103 with auxiliary contact

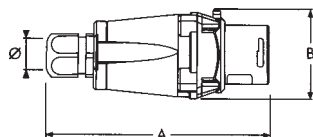
The following plastic cable glands are available for the electrical connection:

Plug housings		Type	Wall socket		Type
16 A	M20 x 1.5 (8 to 13 mm)	07-8101-5...	16 A	M25 x 1.5	07-8101-1...
32 A	M25 x 1.5 (13 to 19 mm)	07-8102-5...	32 A	M25 x 1.5	07-8102-1...
60 A	M32 x 1.5 (17 to 25 mm)	07-8103-5...	60 A	M25 x 1.5	07-8103-1...

*Further voltages on request.



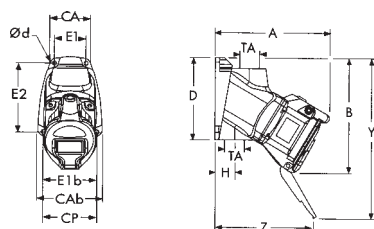
Dimensions plug



Plug

A	B	Ø	Type
127	51	8 to 13	07-8101-5...
128	68	13 to 19	07-8102-5...
149	83	17 to 25	07-8103-5...

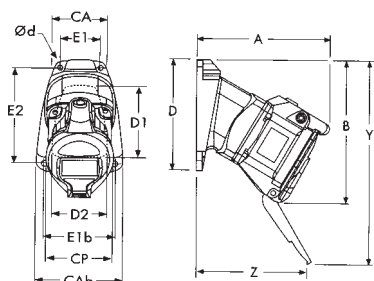
Dimensions wall socket



Wall Socket

A	B	CA	CAb	CP	D	E1	E1b	E2	H	TA	Y	Z	Ø d	Type
127	131	45	68	57	90	36	56	78	37.5	M25 x 1.5	180	111	4.5	07-8101-1...
138	132	84	84	73	107	70	70	70	17.5	M25 x 1.5	200	105	6.0	07-8102-1...
165	162	89	89	82	122	77	77	88	24.0	M25 x 1.5	236	114	6.5	07-8103-1...

Dimensions socket with 30° adapter



Socket with 30° adapter

A	B	CA	CAb	CP	D	D1	D2	E1	E1b	E2	Y	Z	Ø d	Type
108	120	45	68	57	90	75	50	36	56	78	169	92	4.5	07-8101-3...
119	141	76	76	73	107	65	95	63	63	95	209	86	5.5	07-8102-3...
136	156	76	76	82	107	65	95	63	63	95	230	85	5.5	07-8103-3...

Selection chart

Amperage	Code no.	Execution	Code no.	Assignment	Code no.	Auxiliary contacts	Code no.
16 A	1	Plug	51	L + N + PE (230 V)	1	without	0
32 A	2	Socket	12	2 + PE (440 V)	2	with two auxiliary contacts*	1
60 A	3	Socket with 30°-adapter	32	3 + PE (440 V)	3		-
	-		-	3 + N + PE (440 V)	4		-

➔ **Complete order no.**

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Please enter code number. Auxiliary contacts* only possible for 32 A and 60 A models.