

Plugs and Sockets

BCZ8060 Series Explosion-proof Plugs and Sockets



Explosion protection to

-CENELEC

-IEC

-NEC

Can be used in

Zone 1 and Zone 2

Zone 21 and Zone 22

Class I, Zone 1 and Zone 2

Class I, Division 2, Groups A, B, C, D

2P, 3P, 4P and 5P.

Only the switch in the socket cut off can plug be pulled out, power after inserting the plug.

GRP (glass fibre-reinforced polyester resin).

■ Catalogue number logic

BCZ 8060 - □ / □ / □ / □

Z: Socket

T: Plug

L: Coupler

Number of pole

2P

3P (2P+PE or 1P+N+PE)

4P (3P+PE)

5P (3P+N+PE)

Rated voltage (V)

690: 600~690

500: 480~500

415: 380~415

250: 200~250

130: 100~130

50: 50~250

48: 12~48

Rated current (A)

Design No.

Explosion-proof plugs and sockets

Zones 1&2; 21&22

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BCZ8060 Series Explosion-proof Plugs and Sockets

Selection table

Version	Voltage (V)	Current (A)	Number of pole	Schematic diagram	h	Ordering code	Weight (kg)
BCZ8060-16/□/□ 	480 ~ 500	16(10)	3P+PE		7	30048	1.85
	380 ~ 415		3P+N+PE		6	30049	1.85
			3P+PE		6	30050	1.85
	200 ~ 250		3P+N+PE		6	30051	1.85
			3P+PE		9	30052	1.85
	100 ~ 130		2P+PE		6	30053	1.85
			1P+N+PE		4	30054	1.85
	50 ~ 250		2P+PE		12	30055A	1.80
			2P			30056A	1.80
	12 ~ 48		2P+PE		12	30057A	1.80
2P				30058A	1.80		
BCZ8060-32/□/□ 	600 ~ 690	32(20)	3P+PE		5	30059	2.85
	480 ~ 500		3P+PE		7	30060	2.85
	380 ~ 415		3P+N+PE		6	30061	2.85
			3P+PE		6	30062	2.85
	200 ~ 250		3P+N+PE		6	30063	2.85
			3P+PE		9	30064	2.85
BCZ8060-63/□/□ 	600 ~ 690	63 (50), (60)	3P+PE		5	30080	16.00
	480 ~ 500		3P+PE		7	30081	16.00
	380 ~ 415		3P+N+PE		6	30065	16.00
			3P+PE		6	30066	16.00
	200 ~ 250		3P+N+PE		6	30067A	16.00
			3P+PE		9	30067B	16.00
BCZ8060-125/□/□ 	600 ~ 690	125(100)	3P+PE		5	30068	16.00
	480 ~ 500		3P+PE		7	30069	16.00
	380 ~ 415		3P+N+PE		6	30070	16.00
			3P+PE		6	30071	16.00
	200 ~ 250		3P+N+PE		6	30072	16.00
			3P+PE		9	30073	16.00

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BCZ8060 Series Explosion-proof Plugs and Sockets

Technical data

Explosion-proof plugs and sockets BCZ8060-16/□/□

Explosion protection

Global (IECEX)

IECEX CNEX 21.0004X

Gas and dust

Ex db eb IIC T6 Gb

Ex tb IIIC T80 Db

Europe (ATEX)

CNEX 21 ATEX 0003X

Gas and dust

Ex II 2 G Ex db eb IIC T6 Gb

Ex II 2 D Ex tb IIIC T80 Db

Certificates

IECEX; ATEX; CU-TR

Conformity to standards

EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-31

IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31

Enclosure material

GRP (glass fibre-reinforced polyester resin)

Exposed fastener

Stainless steel

Rated voltage

AC 480V~500V, 380V~415V, 200V~250V, 100V~130V, 12V~48V

DC 50V~250V, 12V~48V

Rated current

10A, 16A

Degree of protection

IP66

Ambient temperature

-20 ~+55

Cable entries (Socket)

Standard 1 x M25x1.5 cable gland(plastic), 1 x M25x1.5 plug (plastic)

Cable gland (optional)

DQM-I (Ex e) is recommended. Please see P7/18.

Cross section of cable

2.5~4 mm²



Accessories and spare parts

Version	Voltage (V)	Current (A)	Number of pole	Schematic diagram	h	Colour	Ordering Code	Weight (kg)
	480 ~ 500	16(10)	3P+PE		7	Black	30099	1.30
	380 ~ 415		3P+N+PE		6	Red	30100	1.30
			3P+PE		6	Red	30101	1.30
			3P+N+PE		6	Blue	30102	1.30
	200 ~ 250		3P+PE		9	Blue	30103	1.30
			2P+PE		6	Blue	30104	1.30
	100 ~ 130		1P+N+PE		4	Yellow	30105	1.30
	50 ~ 250		2P+PE		12	Violet	30106A	1.25
			2P			Violet	30107A	1.25
	12 ~ 48		2P+PE		12	Violet	30108A	1.25
			2P			Violet	30109A	1.25

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Accessories and spare parts

Version	Voltage (V)	Current (A)	Number of pole	Schematic diagram	h	Colour	Ordering Code	Weight (kg)
	480 ~ 500	16(10)	3P+PE		7	Black	30075	1.50
	380 ~ 415		3P+N+PE		6	Red	30076	1.50
			3P+PE		6	Red	30077	1.50
			3P+N+PE		6	Blue	30078	1.50
	200 ~ 250		3P+PE		9	Blue	30079	1.50
			2P+PE		6	Blue	30080	1.50
	100 ~ 130		1P+N+PE		4	Yellow	30081	1.50
	50 ~ 250		2P+PE		12	Violet	30082A	1.45
			2P			Violet	30083A	1.45
	12 ~ 48		2P+PE		12	Violet	30084A	1.45
			2P			Violet	30085A	1.45
	480 ~ 500	16(10)	3P+PE		7	Black	30087	0.35
	380 ~ 415		3P+N+PE		6	Red	30088	0.35
			3P+PE		6	Red	30089	0.35
			3P+N+PE		6	Blue	30090	0.35
	200 ~ 250		3P+PE		9	Blue	30091	0.35
			2P+PE		6	Blue	30092	0.35
	100 ~ 130		1P+N+PE		4	Yellow	30093	0.35
	50 ~ 250		2P+PE		12	Violet	30094A	0.35
			2P			Violet	30095A	0.35
	12 ~ 48		2P+PE		12	Violet	30096A	0.35
			2P			Violet	30097A	0.35

Plugs and Sockets

BCZ8060 Series Explosion-proof Plugs and Sockets

Technical data

Explosion-proof plugs and sockets BCZ8060-32/□/□

Explosion protection

Global (IECEX)

Gas and dust

IECEX CNEX 21.0004X

Ex db eb IIC T5 or T4 Gb

Ex tb IIC T80 Db

Europe (ATEX)

Gas and dust

CNEX 21 ATEX 0003X

Ex II 2 G Ex db eb IIC T5 or T4 Gb

Ex II 2 D Ex tb IIC T80 Db

Certificates

Conformity to standards

IECEX; ATEX; CU-TR

EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-31

IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31

Enclosure material

GRP (glass fibre-reinforced polyester resin)

Exposed fastener

Stainless steel

Rated voltage

AC 600V~690V, 480V~500V, 380V~415V, 200V~250V

Rated current

20A, 32A

Degree of protection

IP66

Ambient temperature

T5 for Tamb: -20 ~+40 , T4 for Tamb: -20 ~+55

Cable entries (Socket)

Standard 1 x M40 x 1.5 cable gland (plastic), 1 x M40 x 1.5 plug(plastic)

Cable gland (optional)

DQM-I (Ex e) is recommended. Please see P7/18.

Cross section of cable

4~6 mm²

Accessories and spare parts

Version	Voltage (V)	Current (A)	Number of pole	Schematic diagram	h	Colour	Ordering Code	Weight (kg)
32A Socket 	600 ~ 690	32(20)	3P+PE		5	Black	30110	1.90
	480 ~ 500		3P+PE		7	Black	30111	1.90
	380 ~ 415		3P+N+PE		6	Red	30112	1.90
			3P+PE		6	Red	30113	1.90
	200 ~ 250		3P+N+PE		6	Blue	30114	1.90
			3P+PE		9	Blue	30115	1.90
32A Plug 	600 ~ 690	32(20)	3P+PE		5	Black	30116	0.95
	480 ~ 500		3P+PE		7	Black	30117	0.95
	380 ~ 415		3P+N+PE		6	Red	30118	0.95
			3P+PE		6	Red	30119	0.95
	200 ~ 250		3P+N+PE		6	Blue	30120	0.95
			3P+PE		9	Blue	30121	0.95
32A Coupler 	600 ~ 690	32(20)	3P+PE		5	Black	30122	1.75
	480 ~ 500		3P+PE		7	Black	30123	1.75
	380 ~ 415		3P+N+PE		6	Red	30124	1.75
			3P+PE		6	Red	30125	1.75
	200 ~ 250		3P+N+PE		6	Blue	30126	1.75
			3P+PE		9	Blue	30127	1.75

Plugs and Sockets

BCZ8060 Series Explosion-proof Plugs and Sockets

Technical data								
Explosion-proof plugs and sockets			BCZ8060-63/□/□					
Explosion protection								
Global (IECEx)		IECEX CNEX 21.0004X						
Gas and dust		Ex db eb IIC T5 or T4 Gb						
		Ex tb IIIC T80 Db						
Europe (ATEX)		CNEX 21 ATEX 0003X						
Gas and dust		Ⓔ II 2 G Ex db eb IIC T5 or T4 Gb						
		Ⓔ II 2 D Ex tb IIIC T80 Db						
Certificates		IECEX; ATEX; CU-TR						
Conformity to standards		EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-31						
		IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31						
Enclosure material		GRP (glass fibre-reinforced polyester resin)						
Exposed fastener		Stainless steel						
Rated voltage		AC 600V~690V, 480V~500V, 380V~415V, 200V~250V						
Rated current		50A, 60A, 63A						
Degree of protection		IP66						
Ambient temperature		T5 for Tamb: -20 ~+40 , T4 for Tamb: -20 ~+55						
Cable entries (Socket)		Standard 1 x M50x1.5 cable gland (plastic), 1 x M50x1.5 plug (plastic)						
Cable gland (optional)		DQM-I (Ex e) is recommended. Please see P7/18.						
Cross section of cable		10~16 mm²						

Accessories and spare parts								
Version	Voltage (V)	Current (A)	Number of pole	Schematic diagram	h	Colour	Ordering Code	Weight (kg)
63A Socket 	600 ~ 690	63 (50), (60)	3P+PE		5	Black	30128A	14.30
	480 ~ 500		3P+PE		7	Black	30129A	14.30
	380 ~ 415		3P+N+PE		6	Red	30130A	14.30
			3P+PE		6	Red	30131A	14.30
	200 ~ 250		3P+N+PE		6	Blue	30132A	14.30
			3P+PE		9	Blue	30133A	14.30
63A Plug 	600 ~ 690	63 (50), (60)	3P+PE		5	Black	30128B	1.70
	480 ~ 500		3P+PE		7	Black	30129B	1.70
	380 ~ 415		3P+N+PE		6	Red	30130B	1.70
			3P+PE		6	Red	30131B	1.70
	200 ~ 250		3P+N+PE		6	Blue	30132B	1.70
			3P+PE		9	Blue	30133B	1.70

Plugs and Sockets

BCZ8060 Series Explosion-proof Plugs and Sockets

Technical data

Explosion-proof plugs and sockets BCZ8060-125/□/□

Explosion protection	
Global (IECEX)	IECEX CNEX 21.0004X
Gas and dust	Ex db eb IIC T4 Gb Ex tb IIIC T80 Db
Europe (ATEX)	CNEX 21 ATEX 0003X
Gas and dust	Ex II 2 G Ex db eb IIC T4 Gb Ex II 2 D Ex tb IIIC T80 Db
Certificates	IECEX; ATEX; CU-TR
Conformity to standards	EN 60079-0, EN 60079-1, EN 60079-7, EN 60079-31 IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31
Enclosure material	GRP (glass fibre-reinforced polyester resin)
Exposed fastener	Stainless steel
Rated voltage	AC 600V~690V, 480V~500V, 380V~415V, 200V~250V
Rated current	100A, 125A
Degree of protection	IP66
Ambient temperature	-20 ~+55
Cable entries (Socket)	Standard 1 x M63x1.5 cable gland (plastic), 1 x M63x1.5 plug (plastic)
Cable gland (optional)	DQM-I (Ex e) is recommended. Please see P7/18.
Cross section of cable	25~35 mm ²



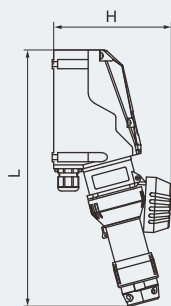
Accessories and spare parts

Version	Voltage (V)	Current (A)	Number of pole	Schematic diagram	h	Colour	Ordering Code	Weight (kg)
	600 ~ 690	125(100)	3P+PE		5	Black	30134	14.30
	480 ~ 500		3P+PE		7	Black	30135	14.30
	380 ~ 415		3P+N+PE		6	Red	30136	14.30
			3P+PE		6	Red	30137	14.30
	200 ~ 250		3P+N+PE		6	Blue	30138	14.30
			3P+PE		9	Blue	30139	14.30
	600 ~ 690	125(100)	3P+PE		5	Black	30140	1.70
	480 ~ 500		3P+PE		7	Black	30141	1.70
	380 ~ 415		3P+N+PE		6	Red	30142	1.70
			3P+PE		6	Red	30143	1.70
	200 ~ 250		3P+N+PE		6	Blue	30144	1.70
			3P+PE		9	Blue	30145	1.70

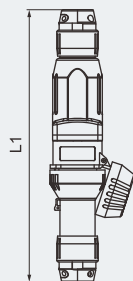
Plugs and Sockets

BCZ8060 Series Explosion-proof Plugs and Sockets

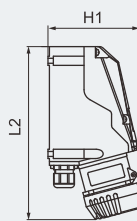
Dimension drawings (all dimensions in mm) - subject to alteration



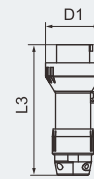
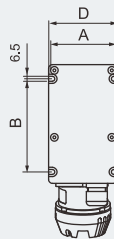
Plug and socket



Coupler (L)



Socket (Z)

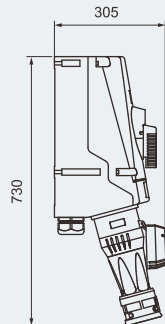


Plug (T)

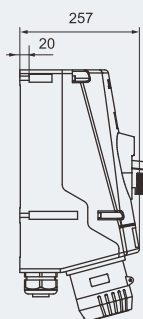
BCZ8060-16/□/□

BCZ8060-32/□/□

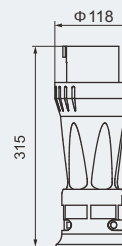
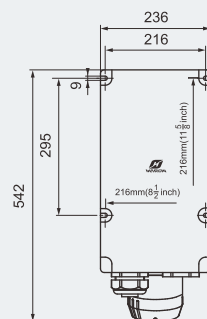
Version	L	H	L1	L2	H1	D	A	B	L3	D1
BCZ8060-16/□/(2P/3P)	336	154	356	227	120	90	80	122	171	72
BCZ8060-16/□/(4P/5P)	408	175	460	252	151	110	102	150	217	76.5
BCZ8060-32/□/□	460	209	514	283	171	120	113	169	253	95



Plug and socket



Socket (Z)



Plug (T)

BCZ8060-63/□/□

BCZ8060-125/□/□

