



Plug and Sockets

BCZ8060 Series Explosion-proof Plug 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.
- ◆ Plug can only be pulled out when switch is off; turn on the power after inserting the plug.
- ◆ GRP (glass fibre-reinforced polyester resin).

Catalogue number logic

BCZ 8060 - □ / □ / □ / □

Z: Socket

T: Plug

L: Coupler

Pole number

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

36: 36

24: 24

Rated current (A)

Design No.

Explosion-proof plug and sockets



Zones 1&2; 21&22

Selection table

Type	Voltage (V)	Current (A)	Pole number	Schematic diagram	h	Ordering code	Weight (kg)
	600~690	16	3P+PE		5	30047	1.85
	480~500	16	3P+PE		7	30048	1.85
	380~415	16	3P+N+PE		6	30049	1.85
		16	3P+PE		6	30050	1.85
	200~250	16	3P+N+PE		6	30051	1.85
		16	3P+PE		9	30052	1.85
		16	1P+N+PE		6	30053	1.85
	100~130	16	1P+N+PE		4	30054	1.85
	36	16	2P+PE		12	30055	1.80
		16	2P			30056	1.80
	24	16	2P+PE		12	30057	1.80
		16	2P			30058	1.80
	600~690	32	3P+PE		5	30059	2.85
	480~500	32	3P+PE		7	30060	2.85
	380~415	32	3P+N+PE		6	30061	2.85
		32	3P+PE		6	30062	2.85
	200~250	32	3P+N+PE		6	30063	2.85
		32	3P+PE		9	30064	2.85
	380~415	63	3P+N+PE	/	/	30065	14.90
		63	3P+PE	/	/	30066	14.90
	200~250	63	1P+N+PE	/	/	30067	14.90
	600~690	125	3P+PE		5	30068	16.00
	480~500	125	3P+PE		7	30069	16.00
	380~415	125	3P+N+PE		6	30070	16.00
		125	3P+PE		6	30071	16.00
	200~250	125	3P+N+PE		6	30072	16.00
		125	3P+PE		9	30073	16.00

Technical data

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

Explosion protection

Gas explosion protection

Ex II 2 G Ex de IIC T6 Gb

Dust explosion protection

Ex II 2 D Ex tb IIIC T80°C Db IP66

Certificates

Nemko 13 ATEX____; IECEX; CQST (China)

Conformity to standards

EN 60079-0:2009, EN 60079-1:2007, EN 60079-7:2007, EN 60079-31:2009
IEC 60079-0:2011, IEC 60079-1:2007, IEC 60079-7:2006, IEC 60079-31:2008

Enclosure material

GRP (glass fibre-reinforced polyester resin)

Exposed fastener

Stainless steel

Rated voltage

AC 600V~690V, 480V~500V, 380V~415V, 200V~250V, 100V~130V
DC 36V, 24V

Rated current

16A

Degree of protection

IP66

Ambient temperature

-20°C~+55°C

Cable entries

Standard 1 x G3/4" cable gland, 1 x G3/4" plug

Cable gland (optional)

DQM-I (Ex e) is recommended. Please see P7/16.

Accessories and spare parts

Type	Voltage (V)	Current (A)	Pole number	Schematic diagram	h	Colour	Ordering Code	Weight (kg)
16A Coupler	600 ~ 690	16	3P+PE		5	Black	30098	1.30
	480 ~ 500	16	3P+PE		7	Black	30099	1.30
	380 ~ 415	16	3P+N+PE		6	Red	30100	1.30
		16	3P+PE		6	Red	30101	1.30
	200 ~ 250	16	3P+N+PE		6	Blue	30102	1.30
		16	3P+PE		9	Blue	30103	1.30
		16	1P+N+PE		6	Blue	30104	1.30
	100 ~ 130	16	1P+N+PE		4	Yellow	30105	1.30
	36	16	2P+PE		12	Purple	30106	1.25
		16	2P			Purple	30107	1.25
	24	16	2P+PE		12	Purple	30108	1.25
		16	2P			Purple	30109	1.25



Accessories and spare parts

Type	Voltage (V)	Current (A)	Pole number	Schematic diagram	h	Colour	Ordering Code	Weight (kg)
 16A Socket	600 ~ 690	16	3P+PE		5	Black	30074	1.50
	480 ~ 500	16	3P+PE		7	Black	30075	1.50
	380 ~ 415	16	3P+N+PE		6	Red	30076	1.50
		16	3P+PE		6	Red	30077	1.50
	200 ~ 250	16	3P+N+PE		6	Blue	30078	1.50
		16	3P+PE		9	Blue	30079	1.50
		16	1P+N+PE		6	Blue	30080	1.50
	100 ~ 130	16	1P+N+PE		4	Yellow	30081	1.50
	36	16	2P+PE		12	Purple	30082	1.45
		16	2P			Purple	30083	1.45
	24	16	2P+PE		12	Purple	30084	1.45
		16	2P			Purple	30085	1.45
 16A Plug	600 ~ 690	16	3P+PE		5	Black	30086	0.35
	480 ~ 500	16	3P+PE		7	Black	30087	0.35
	380 ~ 415	16	3P+N+PE		6	Red	30088	0.35
		16	3P+PE		6	Red	30089	0.35
	200 ~ 250	16	3P+N+PE		6	Blue	30090	0.35
		16	3P+PE		9	Blue	30091	0.35
		16	1P+N+PE		6	Blue	30092	0.35
	100 ~ 130	16	1P+N+PE		4	Yellow	30093	0.35
	36	16	2P+PE		12	Purple	30094	0.35
		16	2P			Purple	30095	0.35
	24	16	2P+PE		12	Purple	30096	0.35
		16	2P			Purple	30097	0.35

Technical data

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

Explosion protection

Gas explosion protection

Dust explosion protection

Certificates

Conformity to standards

Enclosure material

Exposed fastener

Rated voltage

Rated current

Degree of protection

Ambient temperature

Cable entries

Cable gland (optional)

Ex II 2 G Ex de IIC T6 Gb

Ex II 2 D Ex tb IIIC T80°C Db IP66

Nemko 13 ATEX____; IECEX; CQST (China)

EN 60079-0:2009, EN 60079-1:2007, EN 60079-7:2007, EN 60079-31:2009

IEC 60079-0:2011, IEC 60079-1:2007, IEC 60079-7:2006, IEC 60079-31:2008

GRP (glass fibre-reinforced polyester resin)

Stainless steel

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

32A

IP66

-20°C~+55°C

Standard 1 x M40 x 1.5 cable gland, 1 x M40 x 1.5 plug

DQM-I (Ex e) is recommended. Please see P7/16.

Accessories and spare parts

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

Technical data

Explosion-proof plug and sockets BCZ8060-63/□/□

Explosion protection

Gas explosion protection

Ex II 2 G Ex de IIC T4 Gb

Dust explosion protection

Ex II 2 D Ex tb IIIC T130°C Db IP66

Certificates

Nemko 13 ATEX 1256; IECEX; CQST (China)

Conformity to standards

EN 60079-0:2009, EN 60079-1:2007, EN 60079-7:2007, EN 60079-31:2009
IEC 60079-0:2011, IEC 60079-1:2007, IEC 60079-7:2006, IEC 60079-31:2008

Enclosure material

GRP (glass fibre-reinforced polyester resin)

Exposed fastener

Stainless steel

Rated voltage

AC 380V~415V, 200V~250V

Rated current

63A

Degree of protection

IP66

Ambient temperature

-20°C~+55°C

Cable entries

Standard 1 x G1 1/2" cable gland

Cable gland (optional)

DQM-I (Ex e) is recommended. Please see P7/16.

Accessories and spare parts

Type	Voltage (V)	Current (A)	Pole number	Schematic diagram	Colour	Ordering Code	Weight (kg)
63A Socket 	380 ~ 415	63	3P+N+PE	/	Red	30128	12.75
		63	3P+PE	/	Red	30129	12.75
	200 ~ 250	63	1P+N+PE	/	Blue	30130	12.75
63A Plug 	380 ~ 415	63	3P+N+PE	/	Red	30131	2.15
		63	3P+PE	/	Red	30132	2.15
	200 ~ 250	63	1P+N+PE	/	Blue	30133	2.15



Technical data

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

Explosion protection

Gas explosion protection

Ex II 2 G Ex de IIC T4 Gb

Dust explosion protection

Ex II 2 D Ex tb IIIC T130°C Db IP66

Certificates

Nemko 13 ATEX 1256; IECEx; CQST (China)

Conformity to standards

EN 60079-0:2009, EN 60079-1:2007, EN 60079-7:2007, EN 60079-31:2009
IEC 60079-0:2011, IEC 60079-1:2007, IEC 60079-7:2006, IEC 60079-31:2008

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

125A

Degree of protection

IP66

Ambient temperature

-20°C~+55°C

Cable entries

Standard 1 x M63 x 1.5 cable gland, 1 x M63 x 1.5 plug

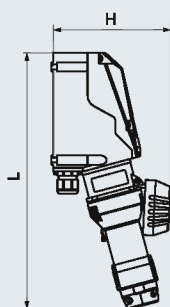
Cable gland (optional)

DQM-I (Ex e) is recommended. Please see P7/16.

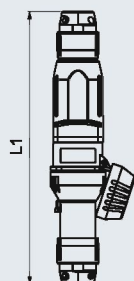
Accessories and spare parts

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

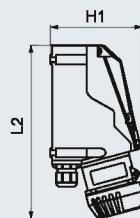
Dimension drawings (all dimensions in mm) - subject to alteration



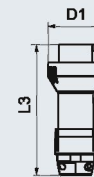
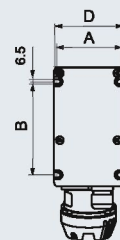
Plug and socket



Coupler (L)



Socket (Z)

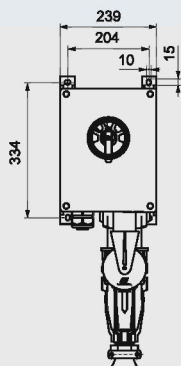


Plug (T)

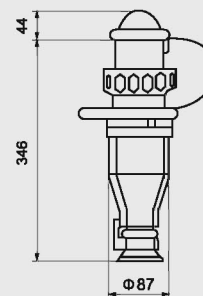
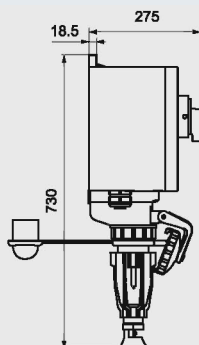
BCZ8060-16/□/□

BCZ8060-32/□/□

Type	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

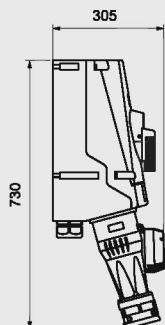


Plug and socket

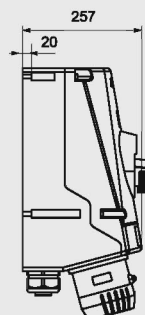


Plug (T)

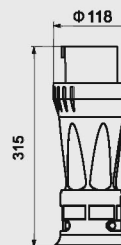
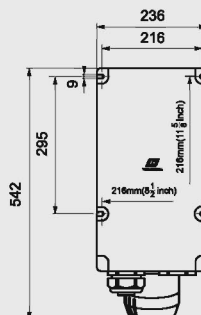
BCZ8060-63/□/□



Plug and socket



Socket (Z)



Plug (T)

BCZ8060-125/□/□