



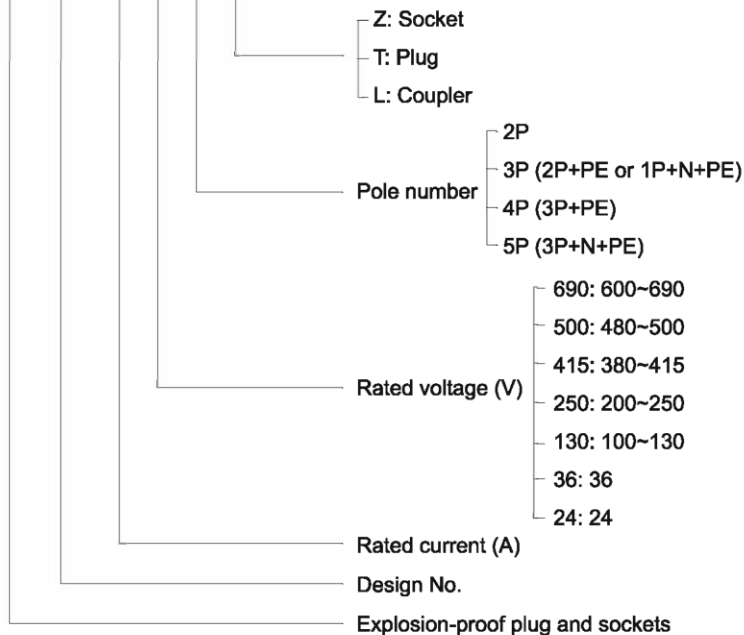
Plug and Sockets

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 - □ / □ / □ / □










Zones 1&2; 21&22

Plug and Sockets

BCZ8060 Series Explosion-proof Plug and Sockets

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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

Ⓔ II 2 G Ex de IIC T6 Gb

Dust explosion protection

Ⓔ 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

⊕ II 2 G Ex de IIC T6 Gb

Dust explosion protection

⊕ 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

Rated current

32A

Degree of protection

IP66

Ambient temperature

-20°C~+55°C

Cable entries

Standard 1 x M40 x 1.5 cable gland, 1 x M40 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)
 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	⊕ II 2 G Ex de IIC T4 Gb
Dust explosion protection	⊕ 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

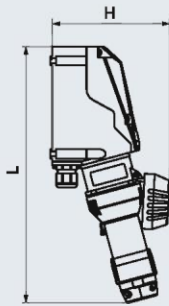
Cable gland (optional)

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

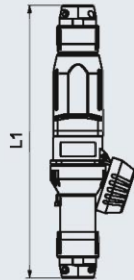
Accessories and spare parts

Type	Voltage (V)	Current (A)	Pole number	Schematic diagram	h	Colour	Ordering Code	Weight (kg)
	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
	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

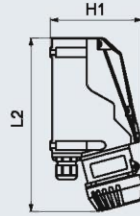
Dimension drawings (all dimensions in mm) - subject to alteration



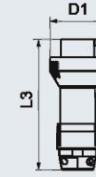
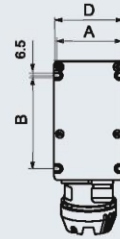
Plug and socket



Coupler (L)



Socket (Z)

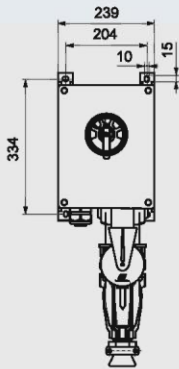


Plug (T)

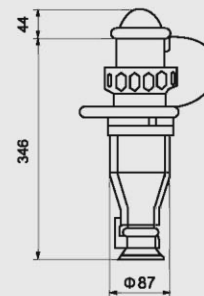
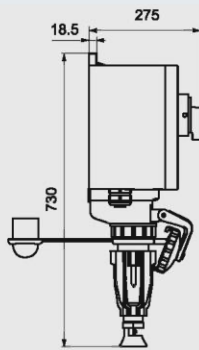
BCZ8060-16/□/□

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

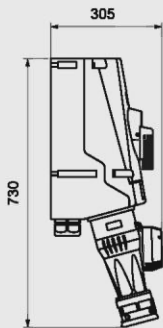


Plug and socket

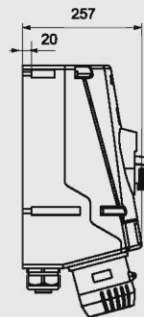


Plug (T)

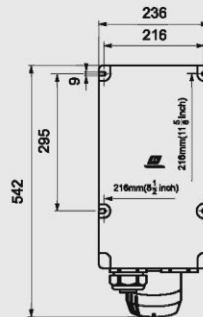
BCZ8060-63/□/□



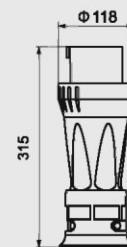
Plug and socket



Socket (Z)



BCZ8060-125/□/□



Plug (T)