

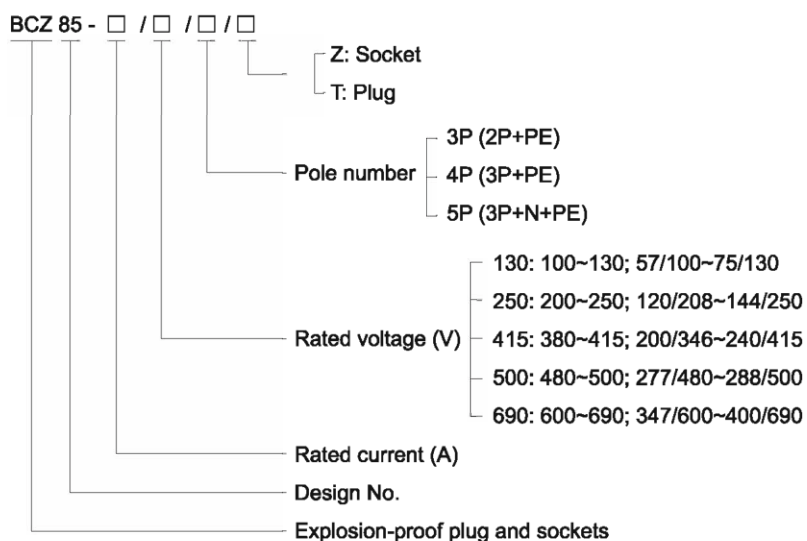


Plug and Sockets

BCZ85 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 1, Groups A, B, C, D
- ◆ Four enclosure types; Four current ratings (16A, 32A, 63A, 125A); 3P, 4P or 5P.
- ◆ Plug can only be pulled out when switch is off; turn on the power after inserting the plug.
- ◆ Copper-free aluminium enclosure; powder coated surface.

■ Catalogue number logic



Zones 1&2; 21&22

Selection table

Type	Current (A)	Voltage (V)	Pole number	Schematic diagram	h	Colour	Ordering code	Weight (kg)
	16	100~130	2P+PE		4	Yellow	30147	2.60
		200~250			6	Blue	30148	2.60
		100~130	3P+PE		4	Yellow	30149	2.60
		200~250			9	Blue	30150	2.60
		380~415			6	Red	30151	2.60
		480~500			7	Black	30152	2.60
		600~690			5	Black	30153	2.60
		57/100~75/130			4	Yellow	30154	3.40
		120/208~144/250	3P+N+PE		9	Blue	30155	3.40
		200/346~240/415			6	Red	30156	3.40
		277/480~288/500			7	Black	30157	3.40
		347/600~400/690			5	Black	30158	3.40
								
	32	200~250	2P+PE		6	Blue	30159	3.40
		200~250	3P+PE		9	Blue	30160	3.40
		380~415			6	Red	30161	3.40
		480~500			7	Black	30162	3.40
		600~690			5	Black	30163	3.40
		120/208~144/250	3P+N+PE		9	Blue	30164	3.40
		200/346~240/415			6	Red	30165	3.40
		277/480~288/500			7	Black	30166	3.40
		347/600~400/690			5	Black	30167	3.40
	63	200~250	3P+PE		9	Blue	30168	4.50
		380~415			6	Red	30169	4.50
		480~500			7	Black	30170	4.50
		600~690			5	Black	30171	4.50
		200/346~240/415	3P+N+PE		6	Red	30172	4.50
		277/480~288/500			7	Black	30173	4.50
								
	125	200~250	3P+PE		9	Blue	30174	20.0
		380~415			6	Red	30175	20.0
		480~500			7	Black	30176	20.0
		600~690			5	Black	30177	20.0
		200/346~240/415	3P+N+PE		6	Red	30178	20.0
		277/480~288/500			7	Black	30179	20.0

Technical data

Explosion-proof plug and sockets **BCZ85-16/□/□**

Explosion protection

Gas explosion protection

Dust explosion protection

Certificates

Conformity to standards

Enclosure material

Enclosure colour

Exposed fastener

Rated voltage

Rated current

Pole number

Degree of protection

Ambient temperature

Cable entry of socket

Cable entry of plug

Cable gland (optional)

Ex II 2 G Ex d IIC T6 Gb

Ex II 2 D Ex t IIIIC T80°C Db IP66

Nemko 12 ATEX 1044; IECEx CQM 12.0015; FM (USA); GOST.R (Russia)

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

IEC 60079-0:2007, IEC 60079-1:2007, IEC 60079-31:2008

Copper-free aluminium; powder coated surface

Window grey (RAL7040)

Stainless steel

Max. 690V AC

16A

3P (2P+PE), 4P (3P+PE), 5P (3P+N+PE)

IP66

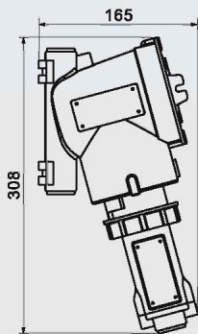
-60°C~+55°C

2 x M25 x 1.5(3P/4P), 2 x M32 x 1.5(5P)

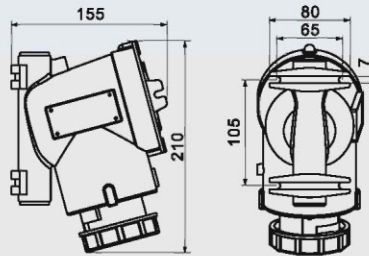
1 x M25 x 1.5(3P/4P), 1 x M32 x 1.5(5P)

DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~25.

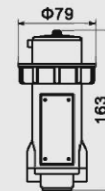
Dimension drawings (all dimensions in mm) - subject to alteration



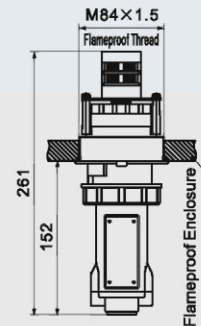
Plug and Sockets



Socket



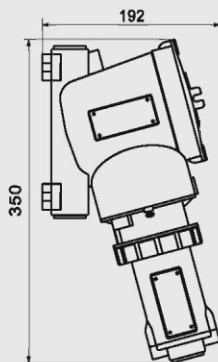
Plug



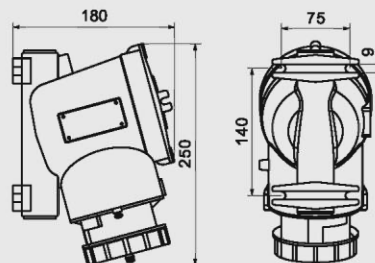
Install on the
flameproof enclosure

BCZ85-16/□/3P

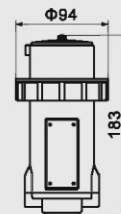
BCZ85-16/□/4P



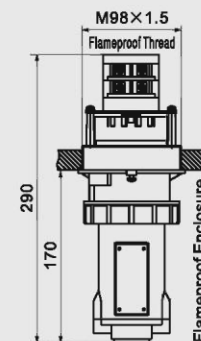
Plug and Sockets



Socket



Plug



Install on the
flameproof enclosure

BCZ85-16/□/5P

Technical data

Explosion-proof plug and sockets BCZ85-32/□/□

Explosion protection

Gas explosion protection

⊕ II 2 G Ex d IIC T6 Gb

Dust explosion protection

⊕ II 2 D Ex t IIIC T80°C Db IP66

Certificates

Nemko 12 ATEX 1044; IECEx CQM 12.0015; FM (USA); GOST.R (Russia)

Conformity to standards

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

IEC 60079-0:2007, IEC 60079-1:2007, IEC 60079-31:2008

Enclosure material

Copper-free aluminium; powder coated surface

Enclosure colour

Window grey (RAL7040)

Exposed fastener

Stainless steel

Rated voltage

Max. 690V AC

Rated current

32A

Pole number

3P (2P+PE), 4P (3P+PE), 5P (3P+N+PE)

Degree of protection

IP66

Ambient temperature

-60°C~+55°C

Cable entry of socket

2 x M32 x 1.5

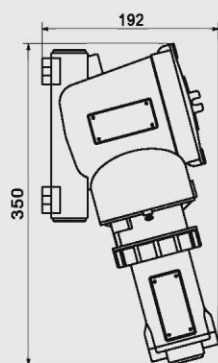
Cable entry of plug

1 x M32 x 1.5

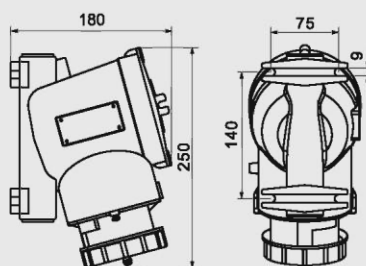
Cable gland (optional)

DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~25.

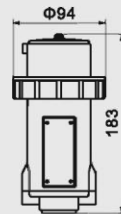
Dimension drawings (all dimensions in mm) - subject to alteration



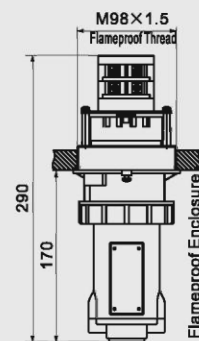
Plug and Sockets



Socket



Plug



Install on the
flameproof enclosure

BCZ85-32/□/□

Plug and Sockets

BCZ85 Series Explosion-proof Plug and Sockets

Technical data

Explosion-proof plug and sockets **BCZ85-63/□/□**

Explosion protection

Gas explosion protection

⊕ II 2 G Ex d IIC T6 Gb

Dust explosion protection

⊕ II 2 D Ex t IIIC T80°C Db IP66

Certificates

Nemko 12 ATEX 1247; IECEX CQM 12.0043X; FM (USA); GOST.R (Russia)

Conformity to standards

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

Enclosure material

Copper-free aluminium; powder coated surface

Enclosure colour

Window grey (RAL7040)

Exposed fastener

Stainless steel

Rated voltage

Max. 690V AC

Rated current

63A

Pole number

4P (3P+PE), 5P (3P+N+PE)

Degree of protection

IP66

Ambient temperature

-60°C~+55°C

Cable entry of socket

2 x M40 x 1.5

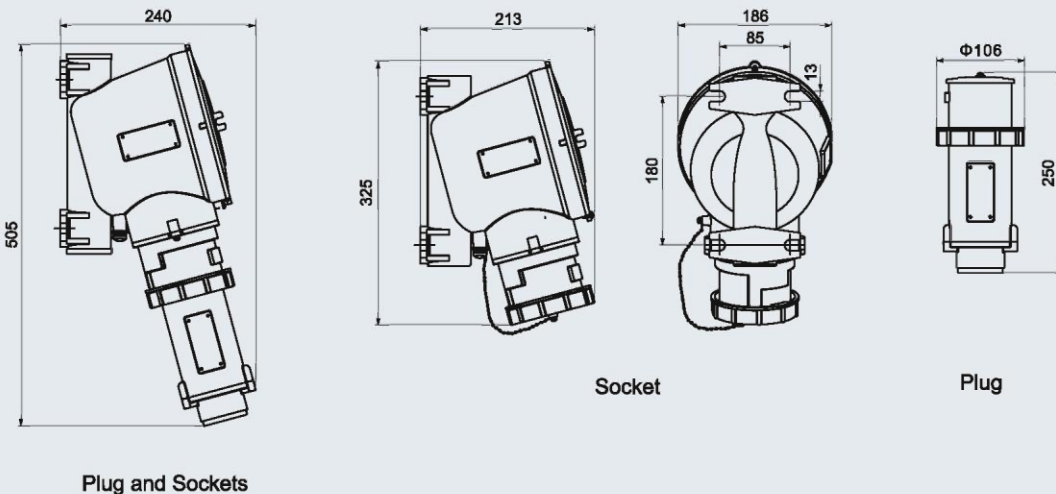
Cable entry of plug

1 x M50 x 1.5

Cable gland (optional)

DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~25.

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



BCZ85-63/□/□

Technical data

Explosion-proof plug and sockets BCZ85-125/□/□

Explosion protection

Gas explosion protection

Ex II 2 G Ex d IIC T6 Gb

Dust explosion protection

Ex II 2 D Ex t IIIC T80°C Db IP66

Certificates

Nemko 13 ATEX ____; FM(USA); GOST.R (Russia); IECEx; CQST(China)

Conformity to standards

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

IEC 60079-0:2007, IEC 60079-1:2007, IEC 60079-31:2008

Enclosure material

Copper-free aluminium; powder coated surface

Enclosure colour

Window grey (RAL7040)

Exposed fastener

Stainless steel

Rated voltage

Max. 690V AC

Rated current

125A

Pole number

4P (3P+PE), 5P (3P+N+PE)

Degree of protection

IP66

Ambient temperature

-60°C~+55°C

Cable entry of socket

1 x M63 x 1.5

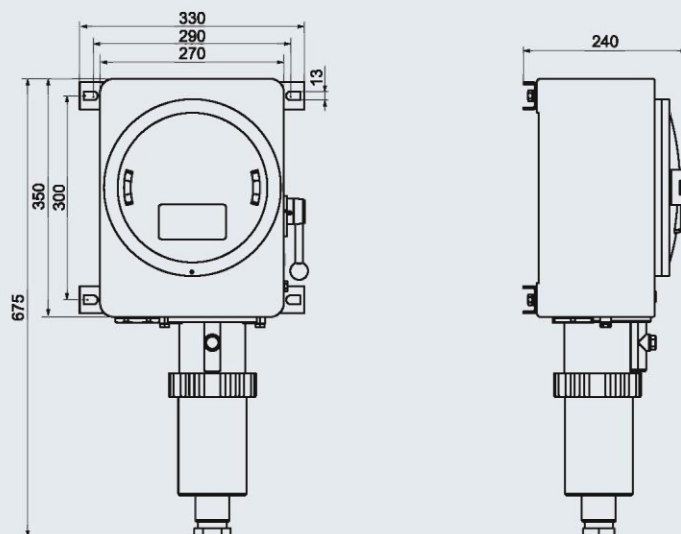
Cable entry of plug

1 x M50 x 1.5

Cable gland (optional)

DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~25.

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



BCZ85-125/□/□