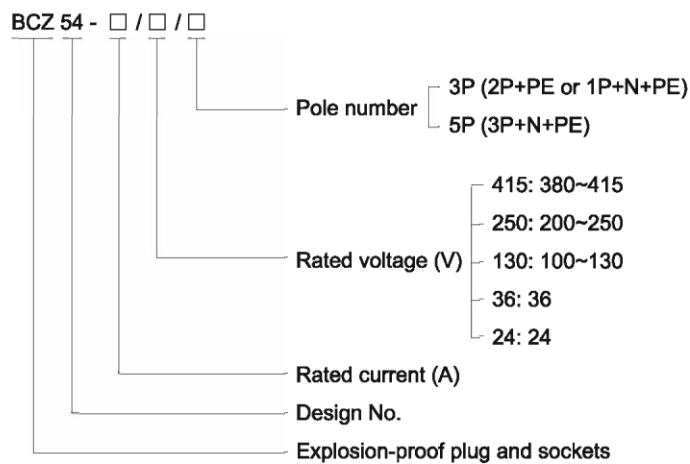


## Plug and Sockets

### BCZ54 Series Explosion-proof Plug and Sockets

















- ◆ Explosion protection to
  - CENELEC
  - IEC
- ◆ Can be used in
  - Zone 1 and Zone 2
  - Zone 21 and Zone 22
- ◆ 2 enclosure types; 4 current ratings (16A,32A,63A,100A); 3P or 5P.
- ◆ Plug can only be pulled out when switch is off; turn on the power after inserting the plug.
- ◆ Canopy is recommended for outdoor use.
- ◆ Copper-free aluminium enclosure; powder coated surface.

### ■ Catalogue number logic



Zones 1&2; 21&22

Selection table

Type	Voltage (V)	Pole number	Schematic diagram	Ordering code	Weight (kg)
	380~415	3P+N+PE		30011	3.25
	200~250	1P+N+PE		30012	3.10
	100~130	1P+N+PE		30013	3.10
	36	2P+PE		30014	3.10
	24	2P+PE		30015	3.10
	380~415	3P+N+PE		30016	3.35
	200~250	1P+N+PE		30017	3.20
	100~130	1P+N+PE		30018	3.20
	36	2P+PE		30019	3.20
	24	2P+PE		30020	3.20
	380~415	3P+N+PE		30021	30.30
	380~415	3P+N+PE		30022	30.30

Note: Plug and sockets are supplied as one complete set when ordering according to the above ordering code.

## Technical data

Explosion-proof plug and sockets **BCZ54-16/□/□, BCZ54-32/□/□**

## Explosion protection

Ex II 2 G Ex de IIB T<sup>1</sup>) Ex de IIB T<sup>1</sup>)Gb

<sup>1</sup>) BCZ54-16/□/□: T6; BCZ54-32/□/□: T5

## Certificates

Nemko 09 ATEX 1013; IECEx CQM 11.0039

## Conformity to standards

EN 60079-0:2006, EN 60079-1:2004, EN 60079-7:2004  
IEC 60079-0:2007, IEC 60079-1:2007, IEC 60079-7:2006

## Enclosure material

Copper-free aluminium; powder coated surface

## Enclosure colour

Window grey (RAL7040)

## Exposed fastener

Stainless steel

## Rated voltage

Max. 415V AC

## Rated current

16A, 32A

AC 3

AC 3

## Switch capacity

Application

le(A)	Ue(V)	P(kW)	le(A)	Ue(V)	P(kW)
16	380, 400, 415	7.5	32	380, 400, 415	15
16	200, 230, 250	4.0	32	200, 230, 250	7.5
16	100, 120, 130	2.0	32	100, 120, 130	4
16	36	1.0	32	36	1.5
16	24	0.5	32	24	1.0

## Degree of protection

IP54 (IP65 with canopy)

## Ambient temperature

-20°C~+55°C

## Cable entry of socket

Standard 1 x G1" plug

## Cable entry of plug

Standard 1 x G1 1/4" plug

## Cable gland (optional)

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

## Available cable outer diameter

Φ12~Φ19 (mm)

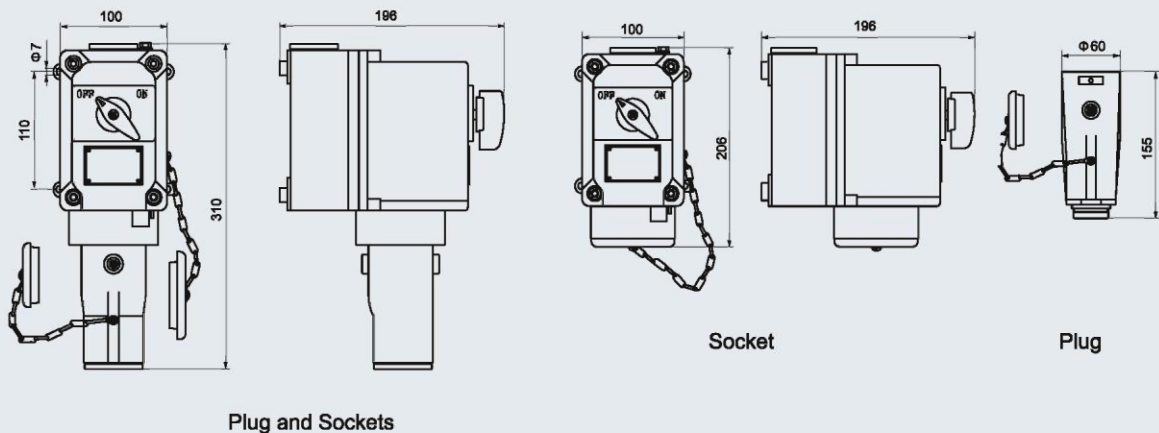
## Cable connection

16A: 3 x (2.5~4) mm<sup>2</sup> or 5 x (2.5~4) mm<sup>2</sup>

32A: 3 x (4~6) mm<sup>2</sup> or 5 x (4~6) mm<sup>2</sup>



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



BCZ54-16/□/□; BCZ54-32/□/□

Technical data

Explosion-proof plug and sockets **BCZ54-63/□/□, BCZ54-100/□/□**

Explosion protection

Gas explosion protection

Ex II 2 G Ex d IIB T4 Gb Ex d IIB T4 Gb

Dust explosion protection

Ex II 2 D Ex tD A21 T130°C IP65 Ex t IIB T130°C Db IP65

Certificates

Nemko 11 ATEX 1011; IECEX CQM 11.0024

Conformity to standards

EN 60079-0:2009, EN 60079-1:2007, EN 61241-1:2004  
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. 415V AC

Rated current

63A, 100A

Switch capacity

AC 3			AC 3		
Ie(A)	Ue(V)	P(kW)	Ie(A)	Ue(V)	P(kW)
63	380, 400, 415	30	100	380, 400, 415	37

Application

Degree of protection

IP65

Ambient temperature

-20°C~+55°C

Cable entry of socket

Standard 1 x G2" plug

Cable entry of plug

Standard 1 x G2" plug

Cable gland (optional)

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

Available cable outer diameter

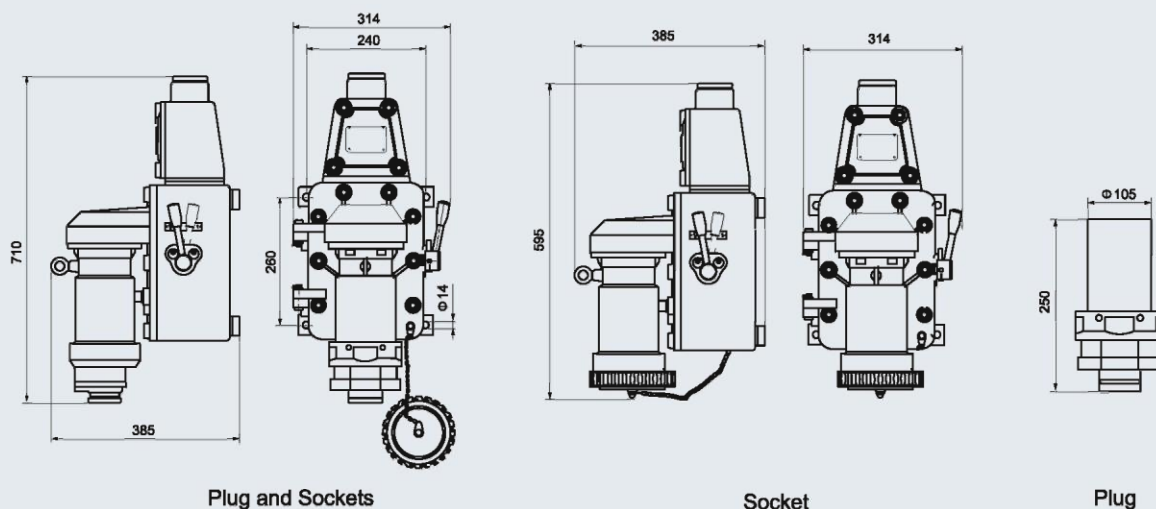
Φ25~Φ35 (mm)

Cable connection

63A: 5 x (10~16)mm<sup>2</sup>

100A: 5 x (16~25)mm<sup>2</sup>

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



BCZ54-63/□/□; BCZ54-100/□/□