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More products are under development. Please contact us or visit our website for the latest development. We reserve the right to make alteration to the technical data, weight, dimensions, designs and products available without notice.

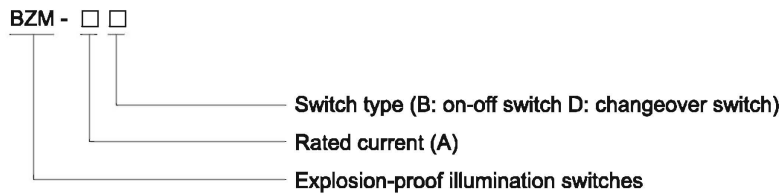


### Installation Switches

#### BZM Series Explosion-proof Illumination Switches

- ◆ 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
- ◆ Copper-free aluminium enclosure; powder coated surface.
- ◆ Two options:
  - On-off switch
  - Changeover switch

#### ■ Catalogue number logic



#### Selection table

Type/Ordering code	Chart of contact	Corresponding switch	Weight (kg)																														
BZM-16B	<table border="1"> <tr> <td></td> <td>0</td> <td>I</td> <td>0</td> <td>I</td> </tr> <tr> <td></td> <td>0°</td> <td>90°</td> <td>180°</td> <td>270°</td> </tr> <tr> <td>1o</td> <td></td> <td>x</td> <td></td> <td>x</td> </tr> <tr> <td>3o</td> <td></td> <td>x</td> <td></td> <td>x</td> </tr> <tr> <td>5o</td> <td></td> <td>x</td> <td></td> <td>x</td> </tr> <tr> <td>7o</td> <td></td> <td>x</td> <td></td> <td>x</td> </tr> </table>		0	I	0	I		0°	90°	180°	270°	1o		x		x	3o		x		x	5o		x		x	7o		x		x		0.85
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	0°	90°	180°	270°																													
1o		x		x																													
3o		x		x																													
5o		x		x																													
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BZM-25B	<table border="1"> <tr> <td></td> <td>0</td> <td>I</td> <td>0</td> <td>I</td> </tr> <tr> <td></td> <td>0°</td> <td>90°</td> <td>180°</td> <td>270°</td> </tr> <tr> <td>1o</td> <td></td> <td>x</td> <td></td> <td>x</td> </tr> <tr> <td>3o</td> <td></td> <td>x</td> <td></td> <td>x</td> </tr> <tr> <td>5o</td> <td></td> <td>x</td> <td></td> <td>x</td> </tr> <tr> <td>7o</td> <td></td> <td>x</td> <td></td> <td>x</td> </tr> </table>		0	I	0	I		0°	90°	180°	270°	1o		x		x	3o		x		x	5o		x		x	7o		x		x		0.95
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BZM-16D	<table border="1"> <tr> <td></td> <td>0</td> <td>I</td> </tr> <tr> <td></td> <td>0°</td> <td>90°</td> </tr> <tr> <td>1o</td> <td></td> <td>x</td> </tr> <tr> <td>3o</td> <td></td> <td>x</td> </tr> </table>		0	I		0°	90°	1o		x	3o		x		0.85																		
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BZM-25D	<table border="1"> <tr> <td></td> <td>0</td> <td>I</td> </tr> <tr> <td></td> <td>0°</td> <td>90°</td> </tr> <tr> <td>1o</td> <td></td> <td>x</td> </tr> <tr> <td>3o</td> <td></td> <td>x</td> </tr> </table>		0	I		0°	90°	1o		x	3o		x		0.95																		
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3o		x																															

## Zones 1&2; 21&22

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### Technical data

#### Explosion-proof illumination switches **BZM-□□**

##### Explosion protection

Gas explosion protection

⊕ II 2 G Ex d IIC T6 Gb

Dust explosion protection

⊕ II 2 D Ex tb IIIC T80°C Db IP65

##### Certificates

LCIE 06 ATEX 6068; IECEx LCI 08. 0008; FM (USA)

##### Conformity to standards

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

##### Enclosure material

Copper-free aluminium; powder coated surface

##### Enclosure colour

Window grey (RAL7040)

##### Switch function

On-off switch or changeover switch

##### Exposed fastener

Stainless steel

##### Rated voltage

Max. 250V AC

##### Rated current

16A, 25A

##### Degree of protection

IP65

##### Ambient temperature

-20°C~+55°C

##### Cable connection

3 x (2.5~4)mm<sup>2</sup>



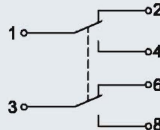

##### Cable entries

Standard 2 x M25 x 1.5 plug  
2 x G3/4" plug or 2 x NPT3/4" plug on request

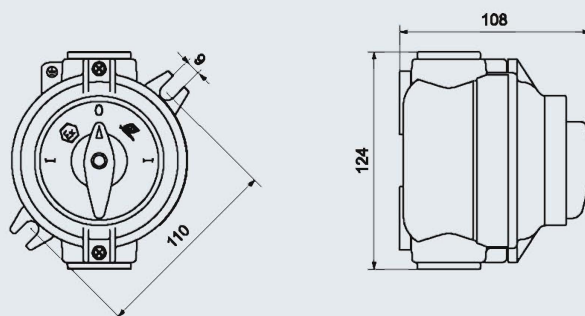
##### Cable gland(optional)

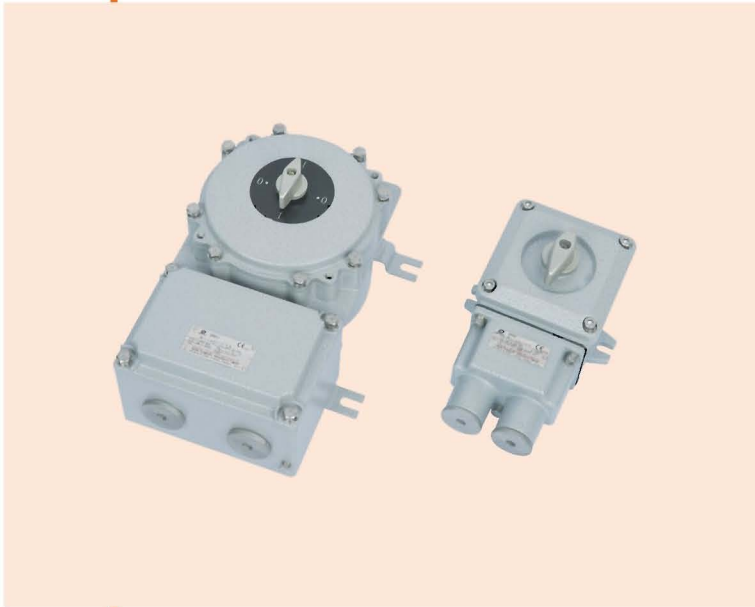
DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~25.

### Spare parts

Built-in switch	Rated voltage/current	Ordering code	Weight (kg)
 	250V/16A	30001	0.10
	250V/25A	30002	0.20
 	250V/16A	30003	0.10
	250V/25A	30004	0.20

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





### Installation Switches

#### BZZ51 Series Explosion-proof Conversion Switches

- ◆ Explosion protection to
  - CENELEC
  - IEC
- ◆ Can be used in
  - Zone 1 and Zone 2
- ◆ Available current rating 10A or 25A.
- ◆ Copper-free aluminium enclosure; powder coated surface.
- ◆ One gear per 90° , loop operation.

#### ■ Catalogue number logic



#### Selection table

Type/Ordering code	Chart of contact	Corresponding switch	Weight (kg)																														
BZZ51-10	<table border="1"> <tr> <td></td> <td>o</td> <td>l</td> <td>o</td> <td>l</td> <td></td> </tr> <tr> <td></td> <td>0°</td> <td>90°</td> <td>180°</td> <td>270°</td> <td></td> </tr> <tr> <td>1o</td> <td></td> <td>x</td> <td></td> <td>x</td> <td>o2</td> </tr> <tr> <td>3o</td> <td></td> <td>x</td> <td></td> <td>x</td> <td>o4</td> </tr> <tr> <td>5o</td> <td></td> <td>x</td> <td></td> <td>x</td> <td>o6</td> </tr> </table>		o	l	o	l			0°	90°	180°	270°		1o		x		x	o2	3o		x		x	o4	5o		x		x	o6		1.50
	o	l	o	l																													
	0°	90°	180°	270°																													
1o		x		x	o2																												
3o		x		x	o4																												
5o		x		x	o6																												
BZZ51-25	<table border="1"> <tr> <td></td> <td>o</td> <td>l</td> <td>o</td> <td>l</td> <td></td> </tr> <tr> <td></td> <td>0°</td> <td>90°</td> <td>180°</td> <td>270°</td> <td></td> </tr> <tr> <td>1o</td> <td></td> <td>x</td> <td></td> <td>x</td> <td>o2</td> </tr> <tr> <td>3o</td> <td></td> <td>x</td> <td></td> <td>x</td> <td>o4</td> </tr> <tr> <td>5o</td> <td></td> <td>x</td> <td></td> <td>x</td> <td>o6</td> </tr> </table>		o	l	o	l			0°	90°	180°	270°		1o		x		x	o2	3o		x		x	o4	5o		x		x	o6		2.70
	o	l	o	l																													
	0°	90°	180°	270°																													
1o		x		x	o2																												
3o		x		x	o4																												
5o		x		x	o6																												

#### Spare parts

Built-in switch	Rated voltage/current	Ordering code	Weight (kg)
	415V/10A	30005	0.15
	415V/25A	30006	0.40

## Zones 1&2

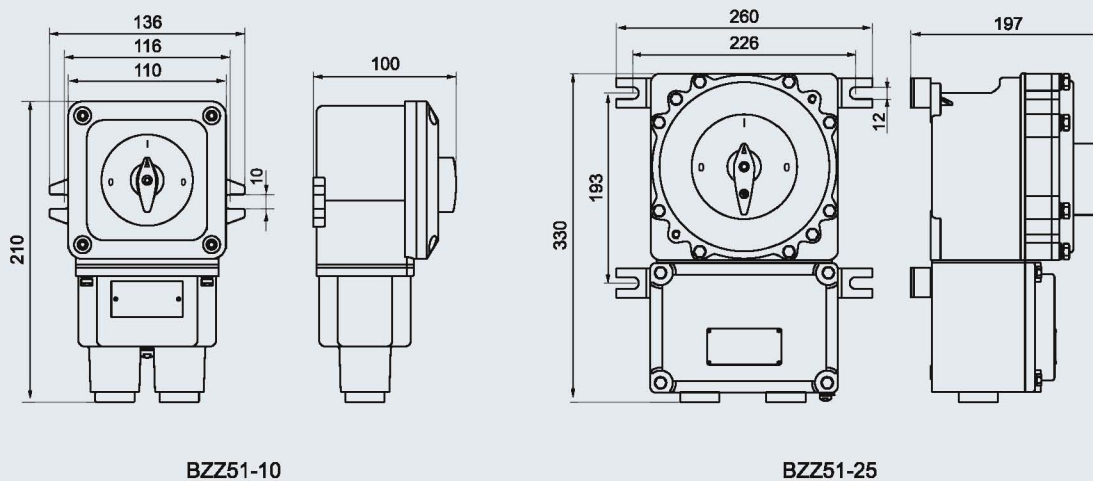
[www.casuarina.com.sg](http://www.casuarina.com.sg)

### Technical data

#### Explosion-proof conversion switches **BZZ51-10, BZZ51-25**

<b>Explosion protection</b>	⊕ II 2 G Ex de IIB T6		
<b>Certificates</b>	LCIE 06 ATEX 6021; IECEx LCI 08. 0006		
<b>Conformity to standards</b>	EN 60079-0:2004, EN 60079-1:2004, EN 60079-7:2003 IEC 60079-0:2004, IEC 60079-1:2003, IEC 60079-7:2001		
<b>Enclosure material</b>	Copper-free aluminium; powder coated surface		
<b>Enclosure colour</b>	Window grey (RAL7040)		
<b>Switch</b>	Low-power on-off switch		
<b>Pole number</b>	3 Poles		
<b>Exposed fastener</b>	Stainless steel		
<b>Rated voltage</b>	Max. 415V AC		
<b>Rated current</b>	10A, 25A		
<b>Switch capacity</b>		<b>BZZ51-10</b>	<b>BZZ51-25</b>
		AC 3, AC 23	AC 3, AC 23
	<b>Ue</b>	<b>P</b>	<b>P</b>
	230~	3.0kW	5.0kW
	380~	5.0kW	8.0kW
	415~	5.0kW	8.0kW
<b>Degree of protection</b>	IP54 (IP65 with canopy)		
<b>Ambient temperature</b>	-20°C~+55°C		
<b>Cable connection</b>	4 x (1.5~2.5)mm <sup>2</sup> (10A), 4 x (4~6)mm <sup>2</sup> (25A)		
<b>Cable entries</b>	BZZ51-10: Standard 2 x G3/4" plug; M25 x 1.5 or NPT3/4" (with reducer) on request BZZ51-25: Standard 2 x M32 x 1.5 plug; G1" or NPT1" (with reducer) on request		
<b>Cable gland(optional)</b>	DQM-I (Ex e) is recommended. Please see P7/17~19.		

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



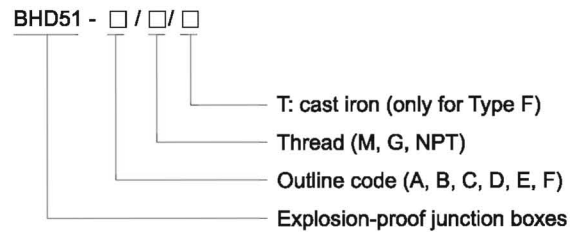


### Junction Boxes







#### BHD51 Series Explosion-proof Junction Boxes

- ◆ 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
- ◆ Six types: A, B, C, D, E, F.
- ◆ Type A, B, C, D, E in copper-free aluminium only; Type F in copper-free aluminium or cast iron.

#### ■ Catalogue number logic



#### Selection table

Type/Ordering code	Schematic diagram	Weight (kg)	
BHD51-A/M20 x 1.5	Type A 	0.70	
BHD51-A/M25 x 1.5			
BHD51-B/M20 x 1.5	Type B 	0.70	
BHD51-B/M25 x 1.5			
BHD51-C/M20 x 1.5	Type C 	0.70	
BHD51-C/M25 x 1.5			
BHD51-D/M20 x 1.5	Type D 	0.70	
BHD51-D/M25 x 1.5			
BHD51-E/M20 x 1.5	Type E 	0.70	
BHD51-E/M25 x 1.5			
BHD51-F/M25 x 1.5	Type F 	Copper-free aluminium	0.80
		Cast iron	2.10

## Zones 1&2; 21&22

### Technical data

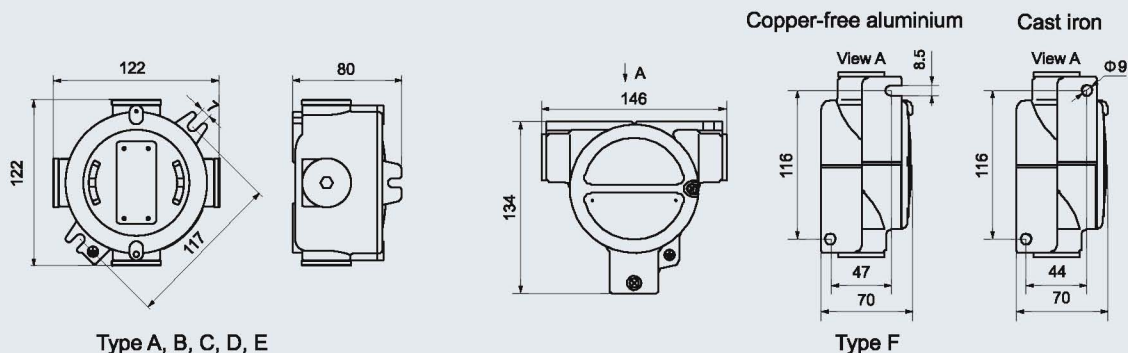
#### Explosion-proof junction boxes BHD51-□/□/□

<b>Explosion protection</b>	<p>Gas explosion protection  II 2 G Ex d IIC T6 Gb</p> <p>Dust explosion protection  II 2 D Ex t IIIC T80°C Db IP66</p>
<b>Certificates</b>	LCIE 11 ATEX 3005; IECEx QCM 11.0022X; POCC CN.Г Ъ05.B03637(Russia); FM(USA)
<b>Conformity to standards</b>	EN 60079-0:2009, EN 60079-1:2007, EN 60079-31:2009 IEC 60079-0:2007, IEC 60079-1:2007, IEC 60079-31:2008
<b>Enclosure material</b>	Copper-free aluminium or cast iron; powder coated surface
<b>Enclosure colour</b>	Yellow (RAL1021)
<b>Exposed fastener</b>	Stainless steel
<b>Rated current</b>	20A
<b>Rated voltage</b>	Max. 500V AC
<b>Terminal data</b>	
Number	6 terminals (Type A-E), 4 terminals (Type F)
Cable cross section	0.2~2.5mm <sup>2</sup>
<b>Degree of protection</b>	IP66
<b>Ambient temperature</b>	-60°C~+55°C
<b>Cable entries</b>	Standard M□ x 1.5 plug G□ plug or NPT□ plug on request
<b>Cable gland(optional)</b>	DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~25.
<b>Main application</b>	Type A-E are used for wiring or branching; Type F is used as accessory for pendant pole type or ceiling type light fittings.

### Terminals

Description	Illustration	Number	Ordering code	Weight (kg)	Note
Terminal		6	30008	0.10	For Type A, B, C, D, E
Terminal block		4	30009	0.10	For Type F

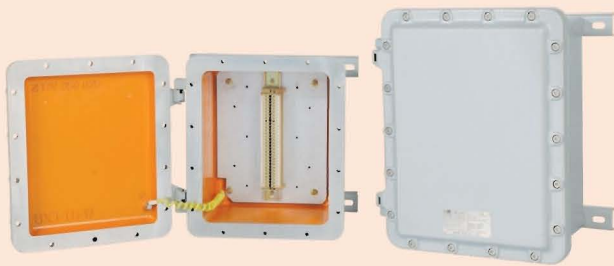
### Dimension drawings (all dimensions in mm) - subject to alteration



#### Application instruction:

1. Type F (copper-free aluminium) is used as mounting accessory for light fittings BAD61-125, BAD81, BAD, BDD81, BAD85 etc.
2. Type F (cast iron) is used as mounting accessory for light fittings BAD61-250, BAD61-400, etc.





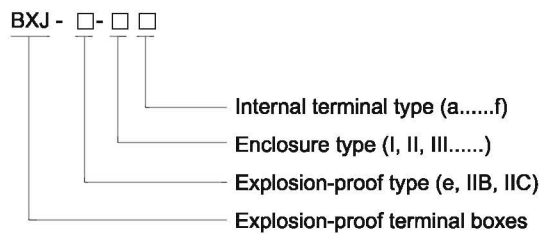
Ex d IIB

## Terminal Boxes

### BXJ Series Explosion-proof Terminal Boxes

- ◆ Explosion protection to
  - GENELEC
  - 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
  - Class I, Division 2, Groups A, B, C, D
- ◆ Three explosion-proof types (Ex e, Ex d IIB and Ex d IIC).
- ◆ Copper-free aluminium enclosure; powder coated surface.
- ◆ Size and direction of cable entries can be customized on request.

### ■ Catalogue number logic



Ex d IIC



Ex e

## Zones 1&2; 21&22

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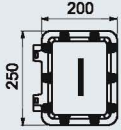
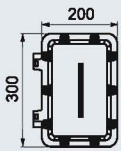
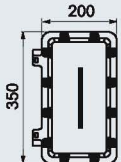
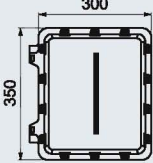
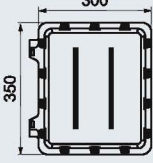
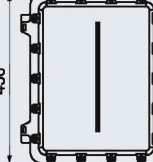
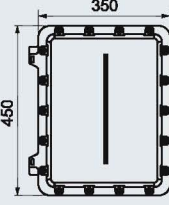
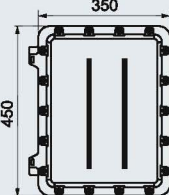
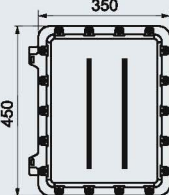
Technical data																			
<b>Explosion-proof terminal boxes(Ex d IIB) BXJ-IIB-□□</b>																			
<b>Explosion protection</b>	II 2 G Ex d IIB T6 Gb Ex d IIB T6 II 1 D Ex t IIIB T80°C Da IP66																		
Gas explosion protection																			
Dust explosion protection																			
<b>Certificates</b>	LCIE 11 ATEX 3013; IECEx LCI 08. 0003; POCC CN. Г Ъ 05.B03637(Russia)																		
<b>Conformity to standards</b>	EN 60079-0:2009, EN 60079-1:2007, EN 60079-31:2009 IEC 60079-0:2004, IEC 60079-1:2003																		
<b>Enclosure material</b>	Copper-free aluminium; powder coated surface																		
<b>Enclosure colour</b>	Window grey (RAL7040)																		
<b>Terminal</b>	Weidmuller SAK EN series Ex-mark:  II 2 GD Ex e II																		
<b>Exposed fastener</b>	Stainless steel																		
<b>Rated voltage</b>	Max. 500V AC																		
<b>Rated current</b>	<table border="1"> <tr> <td>Cross section</td> <td>2.5mm<sup>2</sup></td> <td>4mm<sup>2</sup></td> <td>6mm<sup>2</sup></td> <td>10mm<sup>2</sup></td> <td>16mm<sup>2</sup></td> <td>35mm<sup>2</sup></td> <td>70mm<sup>2</sup></td> <td>240mm<sup>2</sup></td> </tr> <tr> <td>Rated current</td> <td>24A</td> <td>32A</td> <td>41A</td> <td>57A</td> <td>76A</td> <td>125A</td> <td>192A</td> <td>400A</td> </tr> </table>	Cross section	2.5mm <sup>2</sup>	4mm <sup>2</sup>	6mm <sup>2</sup>	10mm <sup>2</sup>	16mm <sup>2</sup>	35mm <sup>2</sup>	70mm <sup>2</sup>	240mm <sup>2</sup>	Rated current	24A	32A	41A	57A	76A	125A	192A	400A
Cross section	2.5mm <sup>2</sup>	4mm <sup>2</sup>	6mm <sup>2</sup>	10mm <sup>2</sup>	16mm <sup>2</sup>	35mm <sup>2</sup>	70mm <sup>2</sup>	240mm <sup>2</sup>											
Rated current	24A	32A	41A	57A	76A	125A	192A	400A											
<b>Degree of protection</b>	IP66																		
<b>Ambient temperature</b>	-60°C~+55°C																		
<b>Note</b>	Rated current > 400A on request																		

Cable entry table																																																																
Table of max. number of possible enclosure entries with cable glands DQM-II																																																																
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	I	II	IIb	III	IIIb	IV	IV b																																																									
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	M32 x 1.5	2	3	2	4	2	6																																																									
	M40 x 1.5	2	2	2	3	2	4																																																									
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	<table border="1"> <tr> <th>V</th> <th>Vb</th> <th>VI</th> <th>VII</th> <th>VIIb</th> </tr> <tr> <td colspan="5"> </td> </tr> <tr> <th>Size</th> <th>A/B</th> <th>C/D</th> <th>A/B</th> <th>C/D</th> </tr> <tr> <td>M20 x 1.5</td> <td>14</td> <td>21</td> <td>24</td> <td>40</td> </tr> <tr> <td>M25 x 1.5</td> <td>12</td> <td>19</td> <td>18</td> <td>27</td> </tr> <tr> <td>M32 x 1.5</td> <td>10</td> <td>15</td> <td>14</td> <td>21</td> </tr> <tr> <td>M40 x 1.5</td> <td>4</td> <td>7</td> <td>8</td> <td>12</td> </tr> <tr> <td>M50 x 1.5</td> <td>4</td> <td>5</td> <td>5</td> <td>9</td> </tr> <tr> <td>M63 x 1.5</td> <td>3</td> <td>5</td> <td>4</td> <td>7</td> </tr> </table>	V	Vb	VI	VII	VIIb						Size	A/B	C/D	A/B	C/D	M20 x 1.5	14	21	24	40	M25 x 1.5	12	19	18	27	M32 x 1.5	10	15	14	21	M40 x 1.5	4	7	8	12	M50 x 1.5	4	5	5	9	M63 x 1.5	3	5	4	7																		
	V	Vb	VI	VII	VIIb																																																											
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#### Selection table of BXJ-IIB series explosion-proof terminal boxes

Max. cross section of cable connected to terminals is 35mm<sup>2</sup>

See table for max. number of fitted terminals

Cable size (mm <sup>2</sup> )		2.5 (a)	4 (b)	6 (c)	10 (d)	16 (e)	35 (f)	Weight (kg)
Enclosure code/Ordering code	Outline	SAK 2.5EN	SAK 4EN	SAK 6EN	SAK 10EN	SAK 16EN	SAK 35EN	
I		16	15	12	10	8	—	7.50
II		22	18	14	12	10	—	9.00
IIb		28	25	20	15	12	—	10.00
III, IIIb		32	30	24	20	16	8	16.00 (III)
		50	46	40	—	—	—	19.80 (IIIb)
		50	46	40	—	—	—	16.50 (III)
IV, IVb		45	40	34	28	24	16	20.50 (IIIb)
		80	70	60	40	—	—	25.50 (IV)
		80	70	60	40	—	—	30.00 (IVb)
								26.30 (IV)
								31.00 (IVb)

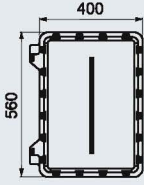
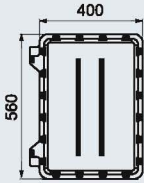
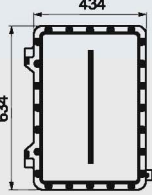
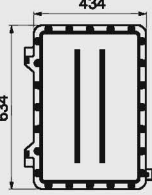
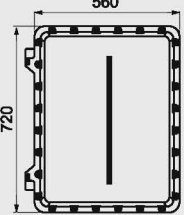
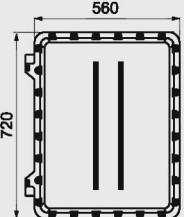
## Terminal Boxes BXJ-IIB Series Explosion-proof Terminal Boxes

Terminal Boxes

**Selection table of BXJ-IIB series explosion-proof terminal boxes**

Max. cross section of cable connected to terminals is 240mm<sup>2</sup>

See table for max. number of fitted terminals

Cable size (mm <sup>2</sup> )		2.5 (a)	4 (b)	6 (c)	10 (d)	16 (e)	35 (f)	70 (g)	240 (h)	Weight (kg)
Enclosure code/Ordering code	Outline	SAK 2.5EN	SAK 4EN	SAK 6EN	SAK 10EN	SAK 16EN	SAK 35EN	SAK 70EN	ST4000LM12	
V, Vb		60	56	48	36	30	20	—	—	38.00 (V)
		—	—	—	—	—	—	—	—	—
		110	100	90	70	56	—	—	—	39.00 (V)
		—	—	—	—	—	—	—	—	—
VI, VIb		80	70	60	50	35	20	10	6	50.00 (VI)
		—	—	—	—	—	—	—	—	—
		160	140	120	100	70	—	—	—	51.50 (VI)
		—	—	—	—	—	—	—	—	—
VII, VIIb		90	80	70	60	40	25	15	9	80.00 (VII)
		—	—	—	—	—	—	—	—	—
		180	160	140	120	80	—	—	—	82.00 (VII)
		—	—	—	—	—	—	—	—	—

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#### Technical data

#### Explosion-proof terminal boxes (Ex d IIC) BXJ- IIC-□□

<b>Explosion protection</b>															
Gas explosion protection	II 2 G Ex d IIC T6 Gb														
Dust explosion protection	II 2 D Ex tb IIIC T80°C Db IP65														
<b>Certificates</b>	Nemko 09 ATEX 1012; IECEx CQM 11.0027; GOST.R (Russia);														
<b>Conformity to standards</b>	EN 60079-0:2009, EN 60079-1:2007, EN 60079-31:2009 IEC 60079-0:2011, IEC 60079-1:2007, IEC 60079-31:2008														
<b>Enclosure material</b>	Copper-free aluminium; powder coated surface														
<b>Enclosure colour</b>	Window grey (RAL7040)														
<b>Terminal</b>	Weidmuller SAK EN series Ex-mark: II 2 GD Ex e II														
<b>Exposed fastener</b>	Stainless steel														
<b>Rated voltage</b>	Max. 690V AC														
<b>Rated current</b>	<table border="1"> <tr> <td>Cross section</td> <td>2.5mm<sup>2</sup></td> <td>4mm<sup>2</sup></td> <td>6mm<sup>2</sup></td> <td>10mm<sup>2</sup></td> <td>16mm<sup>2</sup></td> <td>35mm<sup>2</sup></td> </tr> <tr> <td>Rated current</td> <td>24A</td> <td>32A</td> <td>41A</td> <td>57A</td> <td>76A</td> <td>125A</td> </tr> </table>	Cross section	2.5mm <sup>2</sup>	4mm <sup>2</sup>	6mm <sup>2</sup>	10mm <sup>2</sup>	16mm <sup>2</sup>	35mm <sup>2</sup>	Rated current	24A	32A	41A	57A	76A	125A
Cross section	2.5mm <sup>2</sup>	4mm <sup>2</sup>	6mm <sup>2</sup>	10mm <sup>2</sup>	16mm <sup>2</sup>	35mm <sup>2</sup>									
Rated current	24A	32A	41A	57A	76A	125A									
<b>Degree of protection</b>	IP65														
<b>Ambient temperature</b>	-20°C~+55°C														
<b>Note</b>	Rated current > 125A on request														

#### Cable entry table

Table of max. number of possible enclosure entries with cable glands DQM-II

	I		II		III		IV		V		VI	
	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D
M20×1.5	3	3	4	4	10	10	11	11	15	15	17	17
M25×1.5	3	3	4	4	9	9	10	10	13	13	15	15
M32×1.5	2	2	3	3	7	7	8	8	11	11	12	12
M40×1.5	2	2	3	3	3	3	4	4	5	5	5	5
M50×1.5	/	/	/	/	3	3	3	3	4	4	5	5
M63×1.5	/	/	/	/	2	2	2	2	3	3	4	4

**Note:** 1. No cable entries for standard design. Cable entries shall be drilled by user.

2. For cable entries:

1) Please specify the direction and size of each cable entry.

2) Cable gland is optional, DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~25.

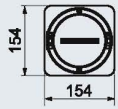
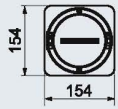
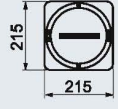
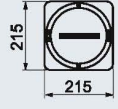
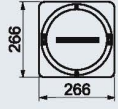
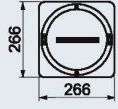
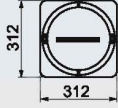
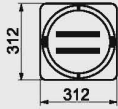
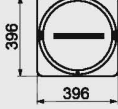
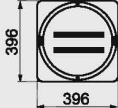
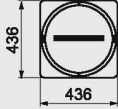
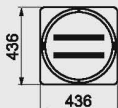
## Terminal Boxes

### BXJ-IIC Series Explosion-proof Terminal Boxes

**Selection table of BXJ-IIC series explosion-proof terminal boxes**

 Max. cross section of cable connected to terminals is 35mm<sup>2</sup>

See table for max. number of fitted terminals

Cable size (mm <sup>2</sup> )		2.5 (a)	4 (b)	6 (c)	10 (d)	16 (e)	35 (f)	Weight (kg)
Enclosure code/Ordering code	Outline	SAK 2.5EN	SAK 4EN	SAK 6EN	SAK 10EN	SAK 16EN	SAK 35EN	
I		10	8	6	—	—	—	3.50
								
II		20	18	15	12	10	—	6.50
								
III		25	24	20	15	12	6	12.00
								
IV		32	30	25	18	14	10	15.00
		44	40	32	22	—	—	
V		48	44	38	30	20	12	21.00
		72	60	50	40	—	—	
VI		55	50	40	34	26	15	24.00
		90	80	60	50	—	—	


### Technical data

#### Terminal boxes (Ex e) BXJ-e-□□

<b>Explosion protection</b>	II 2 G Ex e IIC T6 or T5 Gb <span style="margin-left: 100px;"> II 2 G Ex ib IIC T6 Gb</span>																					
Gas explosion protection																						
Dust explosion protection	II 2 D Ex tb IIIC T80°C Db IP66																					
<b>Certificates</b>	LCIE 13 ATEX ____; IECEX; GOST.R (Russia); PCEC(China)																					
<b>Conformity to standards</b>	EN 60079-0:2009, EN 60079-7:2007 EN 60079-11:2007, EN 60079-31:2009 IEC 60079-0:2011, IEC 60079-7:2006 IEC 60079-11:2006, IEC 60079-31:2008																					
<b>Enclosure material</b>	Copper-free aluminium; powder coated surface																					
<b>Enclosure colour</b>	Window grey (RAL7040)																					
<b>Terminal</b>	Weidmuller SAK EN series Ex-mark:  II 2 GD Ex e II																					
<b>Exposed fastener</b>	Stainless steel																					
<b>Rated voltage</b>	Max. 690V AC																					
<b>Rated current</b>	<table border="1"> <tr> <td>Cross section</td> <td>2.5mm<sup>2</sup></td> <td>4mm<sup>2</sup></td> <td>6mm<sup>2</sup></td> <td>10mm<sup>2</sup></td> <td>16mm<sup>2</sup></td> <td>35mm<sup>2</sup></td> </tr> <tr> <td>Ex e Rated current</td> <td>24A</td> <td>32A</td> <td>41A</td> <td>57A</td> <td>76A</td> <td>125A</td> </tr> <tr> <td>Ex ib Rated current</td> <td>5A</td> <td>5A</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </table>	Cross section	2.5mm <sup>2</sup>	4mm <sup>2</sup>	6mm <sup>2</sup>	10mm <sup>2</sup>	16mm <sup>2</sup>	35mm <sup>2</sup>	Ex e Rated current	24A	32A	41A	57A	76A	125A	Ex ib Rated current	5A	5A	-	-	-	-
Cross section	2.5mm <sup>2</sup>	4mm <sup>2</sup>	6mm <sup>2</sup>	10mm <sup>2</sup>	16mm <sup>2</sup>	35mm <sup>2</sup>																
Ex e Rated current	24A	32A	41A	57A	76A	125A																
Ex ib Rated current	5A	5A	-	-	-	-																
<b>Degree of protection</b>	IP66																					
<b>Ambient temperature</b>	For increased safety terminal box: T6 for Tamb: -40°C ~ +40°C; T5 for Tamb: -40°C ~ +55°C For intrinsic safety terminal box: T6 for Tamb: -40°C ~ +55°C																					
<b>Note</b>	Ex e Rated current > 125A on request																					

### Cable entry table

Table of max. number of possible enclosure entries with cable glands DQM-I

	I		II		III		IV		V		VI		VII		VIII	
	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D
M20 x 1.5	2	3	4	4	4	6	6	6	6	10	10	10	8	12	12	18
M25 x 1.5	2	3	3	3	3	4	4	4	5	9	9	9	7	10	10	16
M32 x 1.5	1	2	2	2	2	3	3	3	3	4	4	4	4	6	6	10
M40 x 1.5	1	2	2	2	2	3	3	3	2	3	3	3	2	3	3	5
M50 x 1.5	/	/	/	/	/	/	/	/	/	3	3	3	2	3	3	5
M63 x 1.5	/	/	/	/	/	/	/	/	/	2	2	2	2	3	3	4

**Note:** 1. No cable entries for standard design. Cable entries shall be drilled by user.








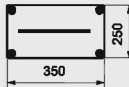
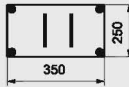


2. For cable entries:

- 1) Please specify the direction and size of each cable entry.
- 2) Cable gland is optional, DQM-I (Ex e) is recommended. Please see P7/17~19.

**Selection table of BXJ-e series terminal boxes**

Max. cross section of cable connected to terminals is 35mm<sup>2</sup>

See table for max. number of fitted terminals

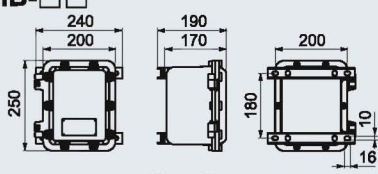
Cable size (mm <sup>2</sup> )		2.5 (a)	4 (b)	6 (c)	10 (d)	16 (e)	35 (f)	Weight (kg)
Enclosure code/Ordering code	Outline	SAK 2.5EN	SAK 4EN	SAK 6EN	SAK 10EN	SAK 16EN	SAK 35EN	
I		16	15	12	10	—	—	2.40
II		16	15	12	10	8	—	2.80
III		25	22	20	15	12	—	3.80
IV		25	22	20	15	12	8	5.10
V		35	30	25	20	15	—	5.80
VI		35	30	25	20	15	10	7.10
		60	50	40	—	—	—	7.50
VII		40	35	30	24	18	12	7.00
		40	40	30	—	—	—	7.00
VIII		60	55	40	30	20	15	9.50
		100	90	66	60	40	—	9.70



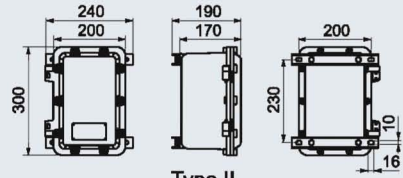
## Terminal Boxes BXJ Series Explosion-proof Terminal Boxes

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

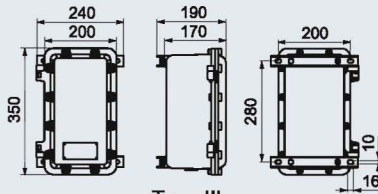
BXJ- IIB-□□



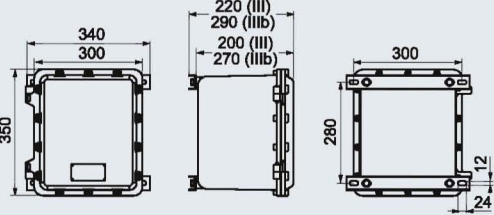
Type I



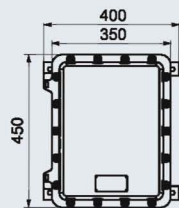
Type II



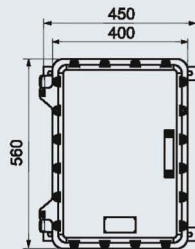
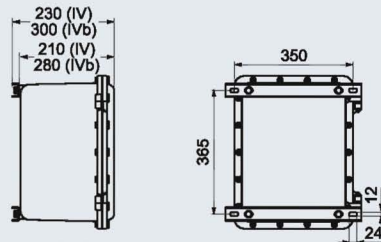
Type IIb



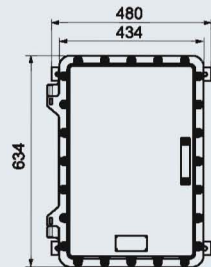
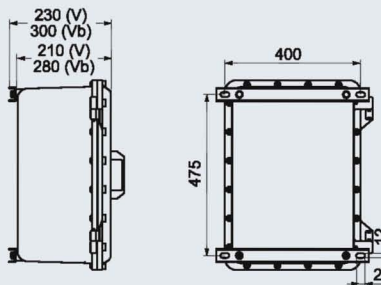
Type III, IIIb



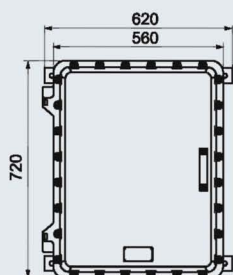
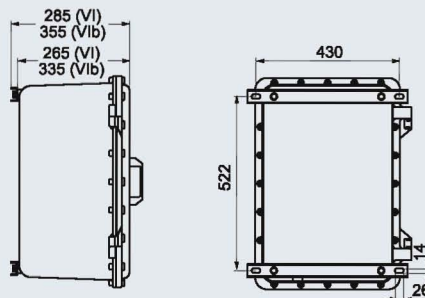
Type IV, IVb



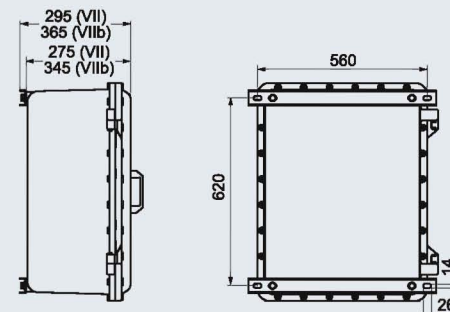
Type V, Vb



Type VI, VIb



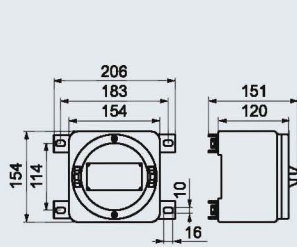
Type VII, VIIb



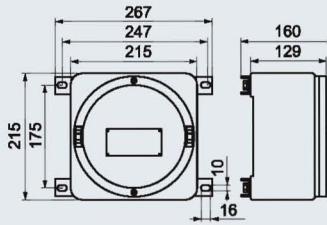
[www.casuarina.com.sg](http://www.casuarina.com.sg)

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

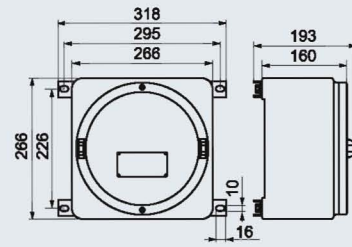
BXJ- IIC-□□



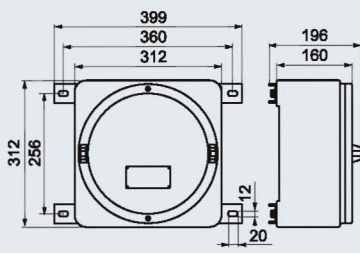
Type I



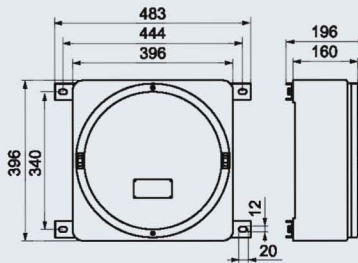
Type II



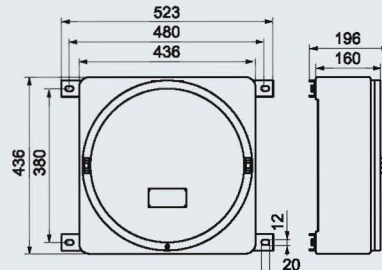
Type III



Type IV



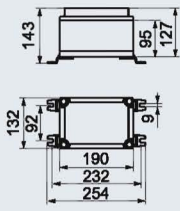
Type V



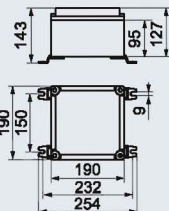
Type VI

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

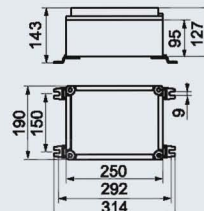
BXJ- e-□□



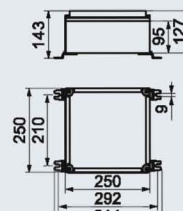
Type I



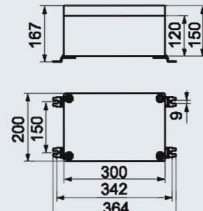
Type II



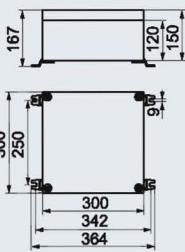
Type III



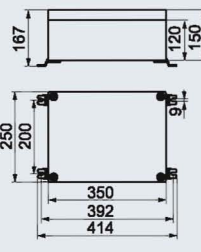
Type IV



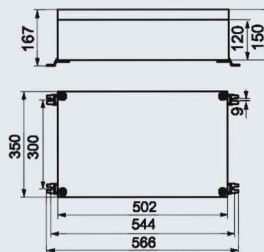
Type V



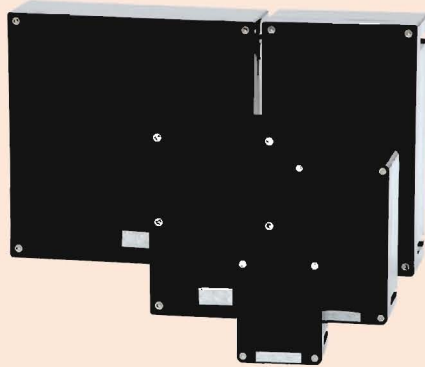
Type VI



Type VII



Type VIII

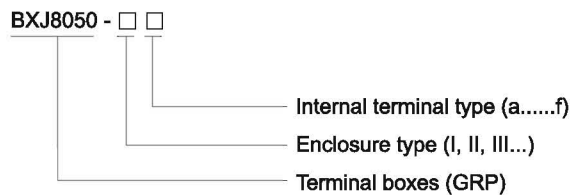


## Terminal Boxes

### BXJ8050 Series Terminal Boxes (Ex e)

- ◆ 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
- ◆ GRP (glass fibre-reinforced polyester resin) enclosure.
- ◆ Weidmuller SAK EN series terminals.

### ■ Catalogue number logic



## Zones 1&2; 21&22

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**Technical data**

**Terminal boxes (Ex e) BXJ8050-□□**

**Explosion protection**

Gas explosion protection  
 Dust explosion protection

⊕ II 2 G Ex e IIC T6 or T5 Gb      ⊕ II 1 G Ex ia IIC T6 Ga  
 ⊕ II 2 D Ex tb IIIC T80°C Db IP66

**Certificates**

LCIE 13 ATEX \_\_\_\_; IECEx

**Conformity to standards**

EN 60079-0:2009, EN 60079-7:2007, EN 60079-11:2007  
 EN 60079-31:2009  
 IEC 60079-0:2011, IEC 60079-7:2006, IEC 60079-11:2006  
 IEC 60079-31:2008

**Enclosure material**

GRP (glass fibre-reinforced polyester resin)

**Terminal**

Weidmuller SAK EN series

Ex-mark: ⊕ II 2 GD Ex e II

**Exposed fastener**

Stainless steel

**Rated voltage**

Max. 690V AC

**Rated current**

Cross section	2.5mm <sup>2</sup>	4mm <sup>2</sup>	6mm <sup>2</sup>	10mm <sup>2</sup>	16mm <sup>2</sup>	35mm <sup>2</sup>
Ex e Rated current	24A	32A	41A	57A	76A	125A
Ex ia Rated current	5A	5A	-	-	-	-

**Degree of protection**

IP66

**Ambient temperature**


For increased safety terminal box: T6 for Tamb: -40°C ~ +40°C; T5 for Tamb: -40°C ~ +55°C  
 For intrinsic safety terminal box: T6 for Tamb: -40°C ~ +55°C

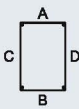
**Note**

Ex e Rated current > 125A on request

**Cable entry table**

Table of max. number of possible enclosure entries with cable glands DQM-I

	I		II		III		IV		V		VI		VII	
	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D
M16×1.5	4	4	6	10	10	12	12	18	18	18	7	12	18	36
M20×1.5	2	2	5	8	8	8	10	12	12	12	4	8	12	24
M25×1.5	2	2	2	4	6	6	6	10	10	10	3	4	10	18
M32×1.5	/	/	2	3	2	2	3	5	5	5	2	3	5	8
M40×1.5	/	/	1	2	2	2	2	4	4	2	1	2	4	6
M50×1.5	/	/	/	/	/	/	2	3	3	/	/	/	3	6



**Note:** 1. No cable entries for standard design. Cable entries shall be drilled by user.

2. For cable entries:

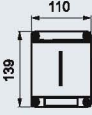
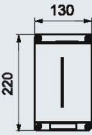
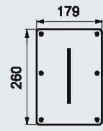
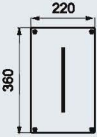
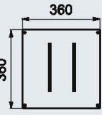
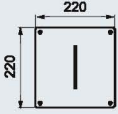
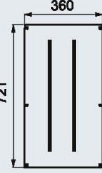
1) Please specify the direction and size of each cable entry.

2) Cable gland is optional, DQM-I (Ex e) is recommended. Please see P7/16.

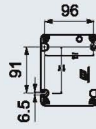
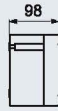
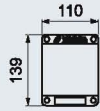
#### Selection table of BXJ8050 series terminal boxes

Max. cross section of cable connected to terminals is 35mm<sup>2</sup>

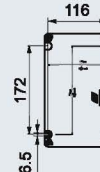
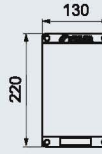
See table for max. number of fitted terminals

Cable size (mm <sup>2</sup> )		2.5 (a)	4 (b)	6 (c)	10 (d)	16 (e)	35 (f)	Weight (kg)
Enclosure code/Ordering code	Outline	SAK 2.5EN	SAK 4EN	SAK 6EN	SAK 10EN	SAK 16EN	SAK 35EN	
I		12	10	8	—	—	—	0.80
II		25	22	18	—	—	—	1.30
III		30	28	22	18	15	—	2.10
IV		44	40	32	25	20	—	3.25
V		88	80	60	50	40	14	4.15
VI		25	22	18	14	—	—	2.00
VII		180	160	130	100	80	30	8.40

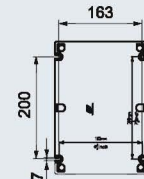
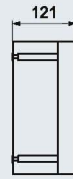
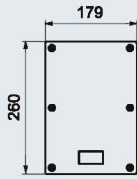
Dimension drawings (all dimensions in mm) - subject to alteration



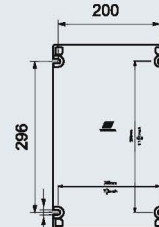
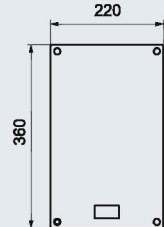
Type I



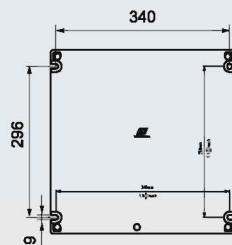
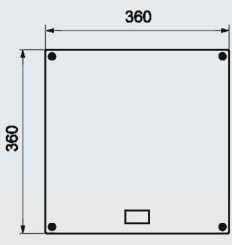
Type II



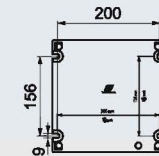
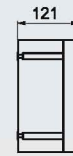
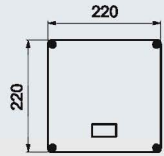
Type III



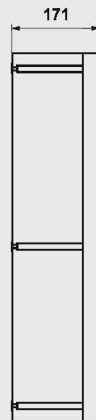
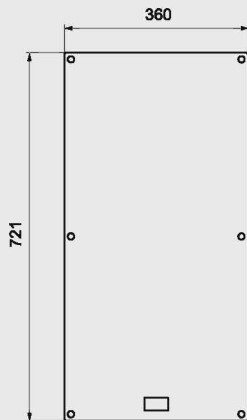
Type IV



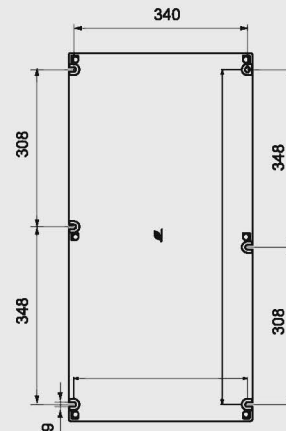
Type V



Type VI



Type VII



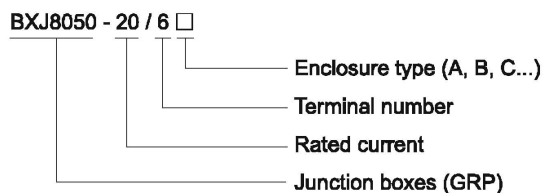


## Junction Boxes

### BXJ8050-20/6 Series Junction Boxes (Ex e)

- ◆ 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
- ◆ GRP (glass fibre-reinforced polyester resin) enclosure.

### ■ Catalogue number logic



### Technical data

#### Junction boxes BXJ8050-20/6□

##### Explosion protection

Gas explosion protection  
Dust explosion protection

Ⓔ II 2 G Ex e II T6  
Ex tD A21 T80°C IP65

##### Certificates

For gas explosion protection  
For dust explosion protection

PTB 06 ATEX 1013; IECEX CQM 07.0013; BR229793-X (Brazil)  
PCEC (China)

##### Conformity to standards

EN 50014:1997+A1+A2, EN 50019:2000  
IEC 60079-0:2004, IEC 60079-7:2001, IEC 61241-0:2004, IEC 61241-1:2004

##### Enclosure material

GRP (glass fibre-reinforced polyester resin)

##### Terminal

6 stud terminals

##### Cable cross section

0.2~4mm<sup>2</sup>

##### Exposed fastener

Stainless steel

##### Rated voltage

Max. 500V AC

##### Rated current

20A

##### Degree of protection

IP65

##### Ambient temperature

-20°C~+55°C










##### Cable entries

Standard; see Selection Table


## Zones 1&2; 21&22

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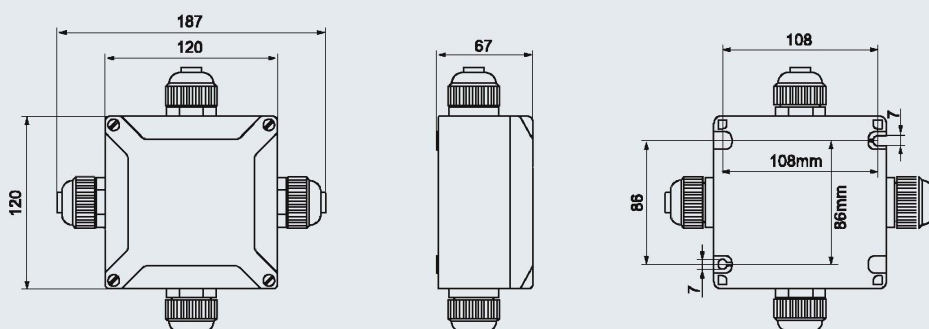
**Selection table**

Type/Ordering code	Schematic diagram	Cable gland	Weight (kg)
BXJ8050-20/6A	Type A 	1 x M25 x 1.5 DQM-I (plastic)	0.65
BXJ8050-20/6B	Type B 	2 x M25 x 1.5 DQM-I (plastic) 1 stopping rod	0.70
BXJ8050-20/6C	Type C 	3 x M25 x 1.5 DQM-I (plastic) 2 stopping rods	0.70
BXJ8050-20/6D	Type D 	4 x M25 x 1.5 DQM-I (plastic) 3 stopping rods	0.75
BXJ8050-20/6E	Type E 	2 x M25 x 1.5 DQM-I (plastic) 1 stopping rod	0.70
BXJ8050-20/6F	Type F 	4 x M25 x 1.5 DQM-I (plastic) 3 stopping rods	0.75
BXJ8050-20/6G	Type G 	5 x M25 x 1.5 DQM-I (plastic) 4 stopping rods	0.75
BXJ8050-20/6H	Type H 	6 x M25 x 1.5 DQM-I (plastic) 5 stopping rods	0.75
BXJ8050-20/6I	Type I 	7 x M25 x 1.5 DQM-I (plastic) 6 stopping rods	0.80

**Terminals**

Description	Illustration	Max. Current	Ordering code	Weight (kg)
Stud terminal		20A	30010	0.15

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





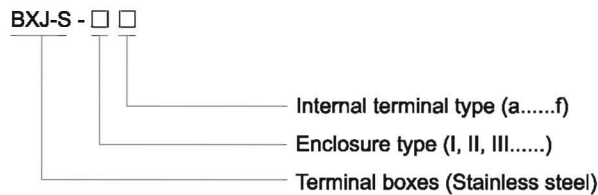


## Terminal boxes

### BXJ-S Series Terminal Boxes(Ex e)

- ◆ 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
- ◆ Stainless steel enclosure.
- ◆ Weidmuller SAK EN series terminals.

### ■ Catalogue number logic



## Zones 1&2; 21&22

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**Technical data**

**Terminal boxes (Ex e) BXJ-S-□□**

**Explosion protection**

Gas explosion protection

⊕ II 2 G Ex e IIC T6 or T5 Gb

⊕ II 1 G Ex ia IIC T6 Ga

Dust explosion protection

⊕ II 2 D Ex tb IIIC T80°C or T95°C Db IP66

⊕ II 2 D Ex tb IIIC T80°C Db IP66

**Certificates**

LCIE 10 ATEX 3071X; IECEX CQM 11.0020X; POCC CN. Г Ъ 05. B03637(Russia); FM (USA)

**Conformity to standards**

EN 60079-0:2009, EN 60079-7:2007, EN 60079-11:2007, EN 60079-31:2009

IEC 60079-0:2011, IEC 60079-7:2006, IEC 60079-11:2006, IEC 60079-31:2008

**Enclosure material**

Stainless steel

**Terminal**

Weidmuller SAK EN series

Ex-mark: ⊕ II 2 GD Ex e II

**Exposed fastener**

Stainless steel

**Rated voltage**

Max. 500V AC

**Rated current**

Cross section	2.5mm <sup>2</sup>	4mm <sup>2</sup>	6mm <sup>2</sup>	10mm <sup>2</sup>	16mm <sup>2</sup>	35mm <sup>2</sup>
Ex e Rated current	24A	32A	41A	57A	76A	125A
Ex ia Rated current	5A	5A	-	-	-	-

**Degree of protection**

IP66

**Ambient temperature**

For increased safety terminal box: T6 for Tamb: -40°C ~ +40°C; T5 for Tamb: -40°C ~ +50°C


For intrinsic safety terminal box: T6 for Tamb: -40°C ~ +50°C

**Note**

Ex e Rated current > 125A on request

**Cable entry table**

Table of max. number of possible enclosure entries with cable glands DQM-I

	I		II		III		IV		V		VI		VII	
	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D
M20 x 1.5	2	2	3	4	9	9	12	12	20	20	20	28	40	54
M25 x 1.5	1	1	3	3	8	8	10	10	18	18	18	24	26	40
M32 x 1.5	/	/	2	3	6	6	8	8	12	12	12	16	14	26
M40 x 1.5	/	/	/	/	3	3	4	4	6	6	6	14	10	20
M50 x 1.5	/	/	/	/	2	2	3	3	5	5	5	12	8	9
M63 x 1.5	/	/	/	/	2	2	2	2	4	4	5	5	5	7

**Note:** 1. No cable entries for standard design. Cable entries shall be drilled by user.

2. For cable entries:

1) Please specify the direction and size of each cable entry.

2) Cable gland is optional, DQM-I (Ex e) is recommended. Please see P7/17~19.

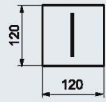

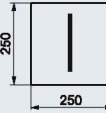
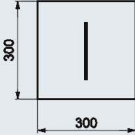
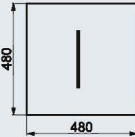
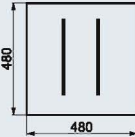
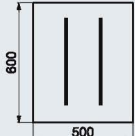
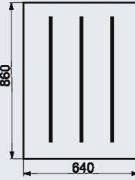
## Terminal Boxes

### BXJ-S Series Terminal Boxes

**Selection table of BXJ-S series terminal boxes**

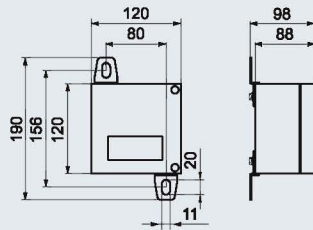
 Max. cross section of cable connected to terminals is 35mm<sup>2</sup>

See table for max. number of fitted terminals

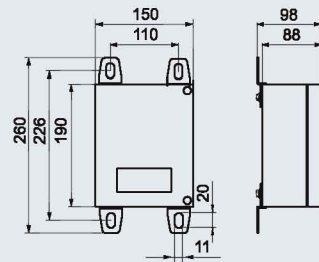
Cable size (mm <sup>2</sup> )		2.5 (a)	4 (b)	6 (c)	10 (d)	16 (e)	35 (f)	Weight (kg)
Enclosure code/Ordering code	Outline	SAK 2.5EN	SAK 4EN	SAK 6EN	SAK 10EN	SAK 16EN	SAK 35EN	
I		10	8	—	—	—	—	2.25
II		15	12	10	—	—	—	3.60
III		25	22	18	15	12	8	7.40
IV		30	28	25	20	14	10	8.70
V		60	55	45	35	30	20	18.60
		120	110	90	70	60	—	18.60
VI		160	140	100	80	70	50	25.70
VII		300	270	240	165	135	72	40.10

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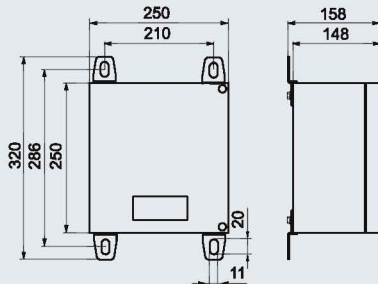
Dimension drawings (all dimensions in mm) - subject to alteration



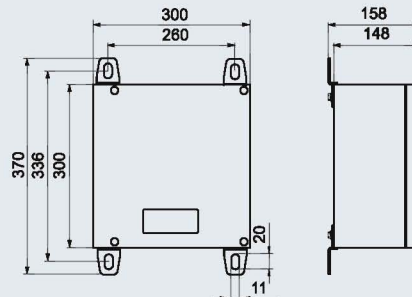
Type I



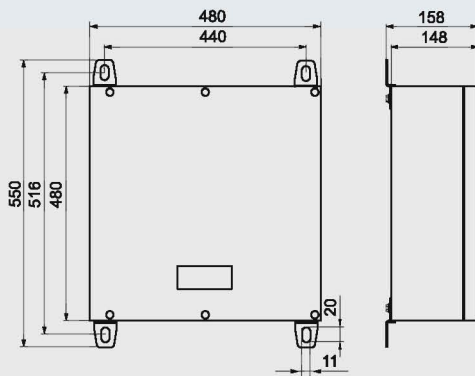
Type II



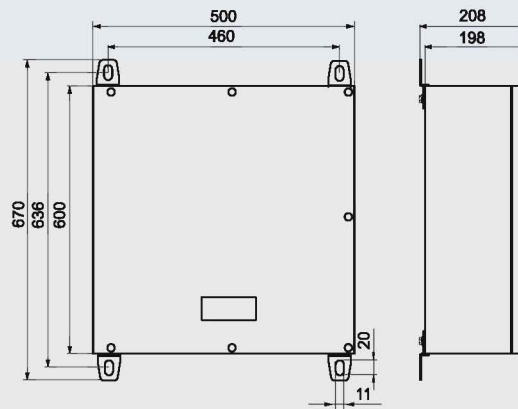
Type III



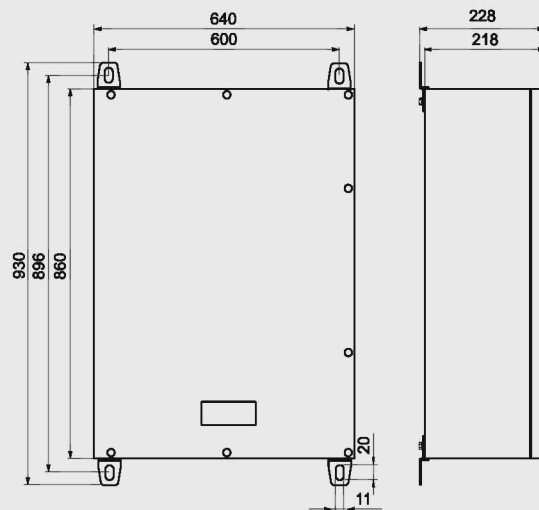
Type IV



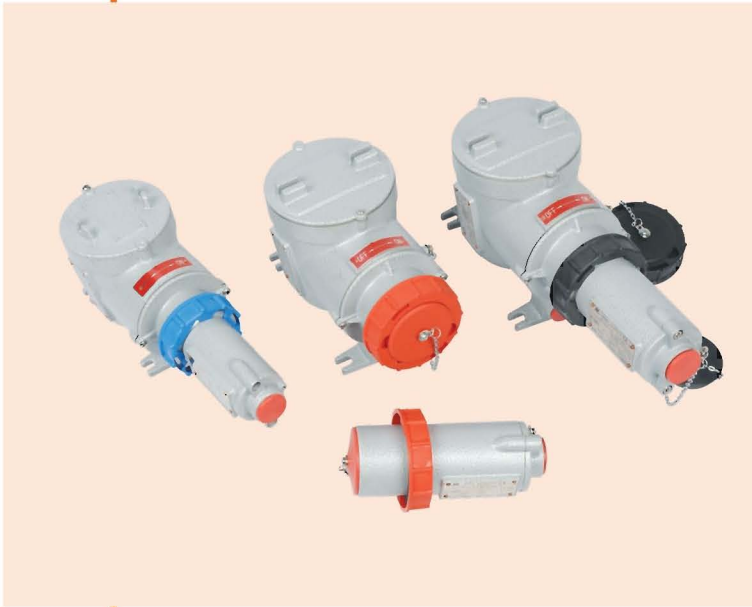
Type V



Type VI



Type VII

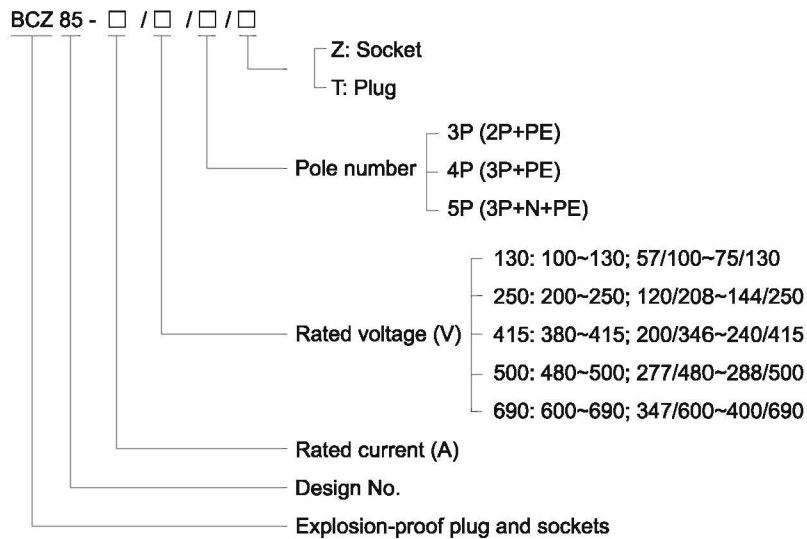


## Plug and Sockets

### 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

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# Plug and Sockets

## BCZ85 Series Explosion-proof Plug and Sockets

**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

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## Plug and Sockets BCZ85 Series Explosion-proof Plug and Sockets

### 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)

⊕ II 2 G Ex d IIC T6 Gb

⊕ II 2 D Ex t IIIC 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

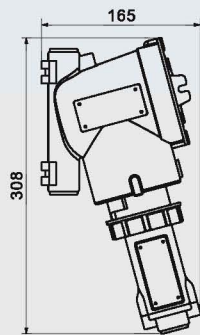
-60°C~+55°C

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

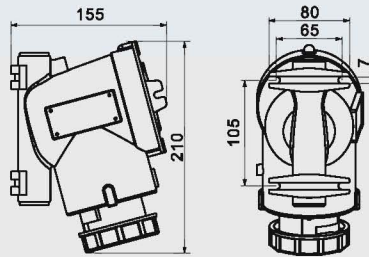
1 x M25 x 1.5(3P/4P), 1 x M32 x 1.5(5P)

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

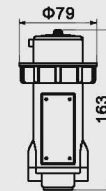
### Dimension drawings (all dimensions in mm) - subject to alteration



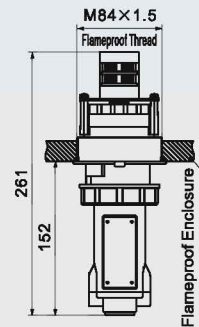
Plug and Sockets



Socket



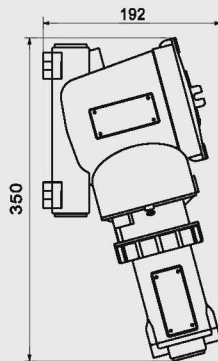
Plug



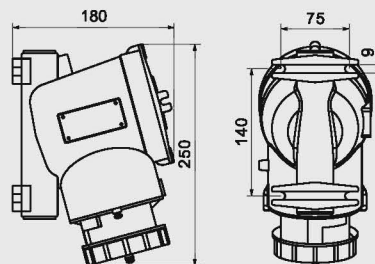
Install on the  
flameproof enclosure

BCZ85-16/□/3P

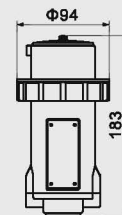
BCZ85-16/□/4P



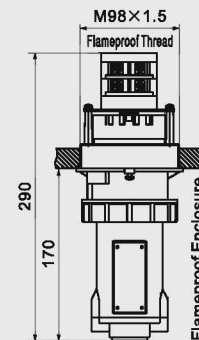
Plug and Sockets



Socket



Plug



Install on the  
flameproof enclosure

BCZ85-16/□/5P

## Plug and Sockets

### BCZ85 Series Explosion-proof Plug and Sockets

#### 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

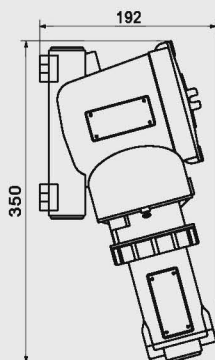
##### Cable entry of plug

1 x M32 x 1.5

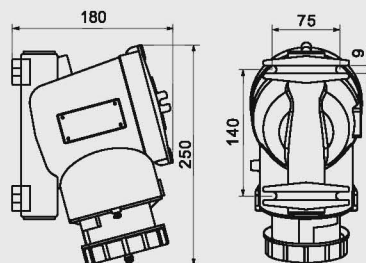
##### Cable gland (optional)

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

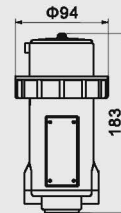
#### Dimension drawings (all dimensions in mm) - subject to alteration



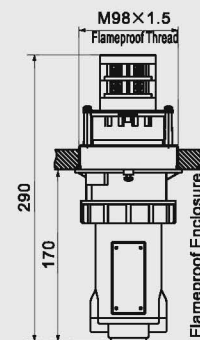
Plug and Sockets



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

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 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

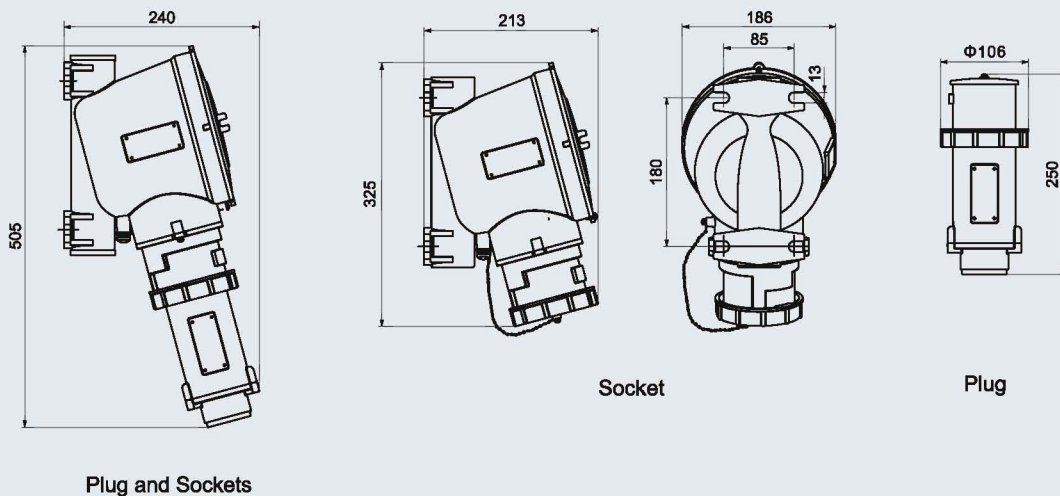
##### Cable entry of plug

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

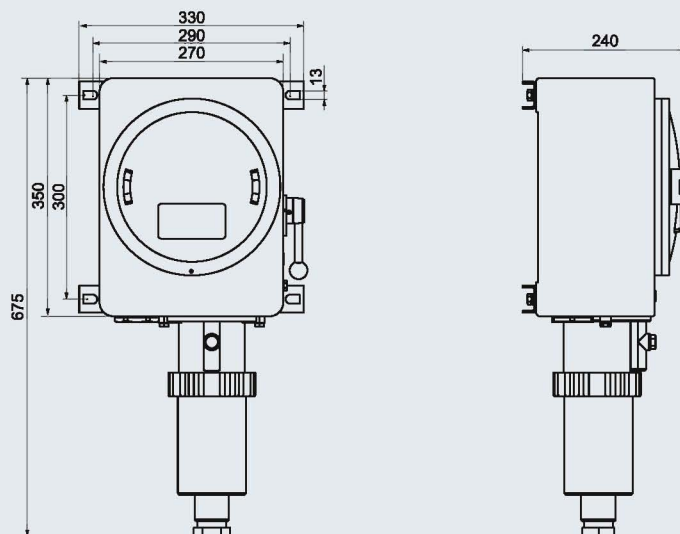
**Cable entry of plug**

1 x M50 x 1.5

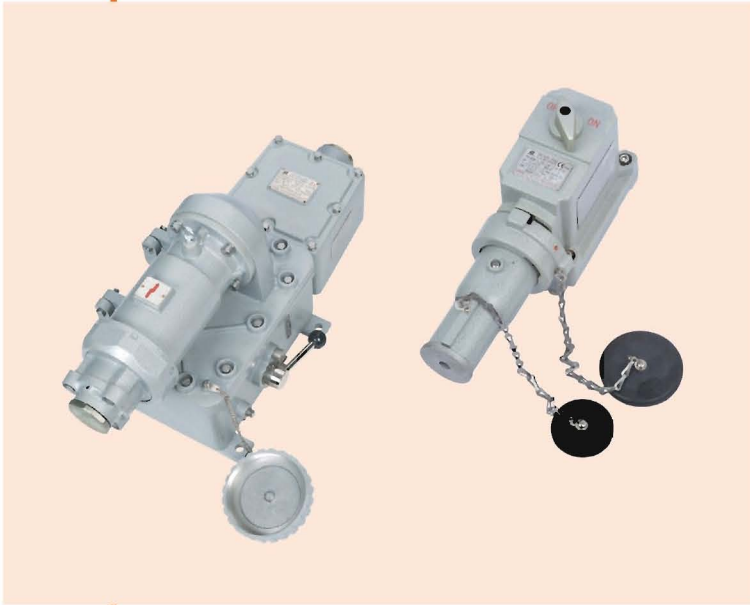
**Cable gland (optional)**

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/□/□

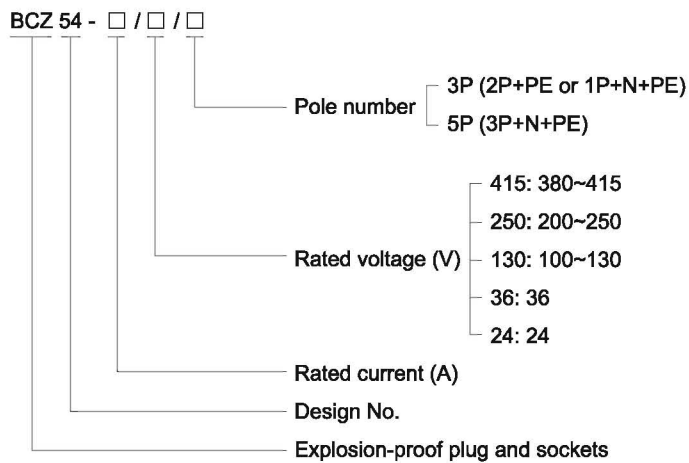


## Plug and Sockets

### 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

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### 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

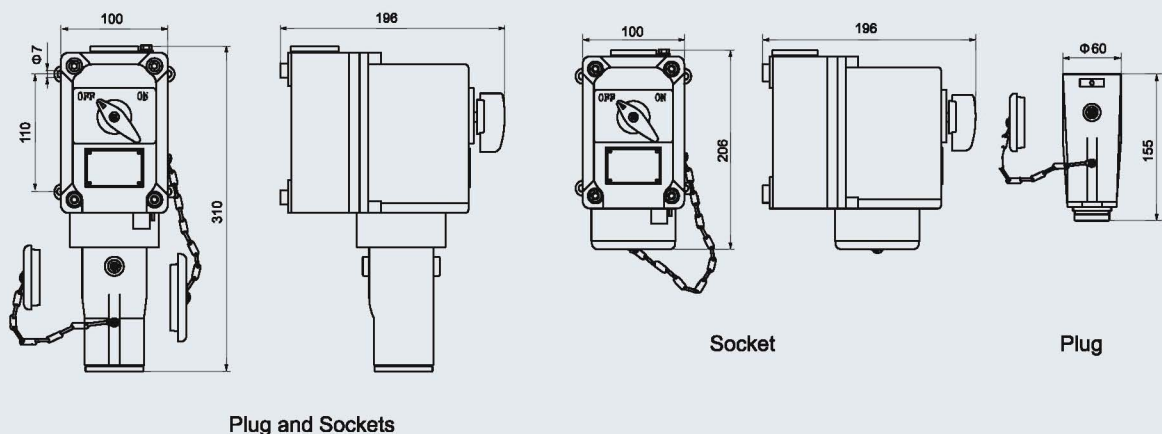
Φ12~Φ19 (mm)

##### 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

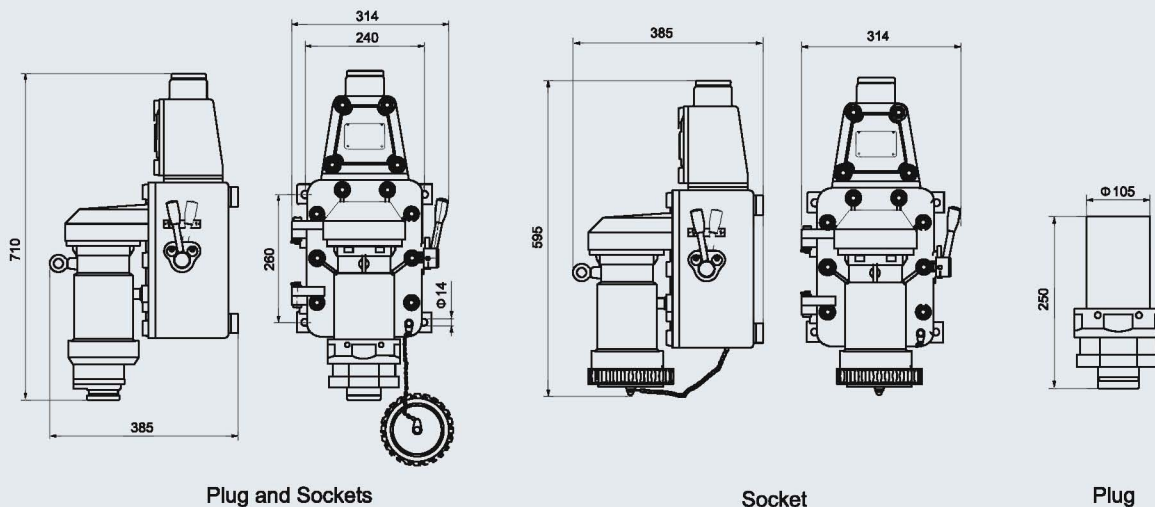
Φ25~Φ35 (mm)

#### 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/□/□

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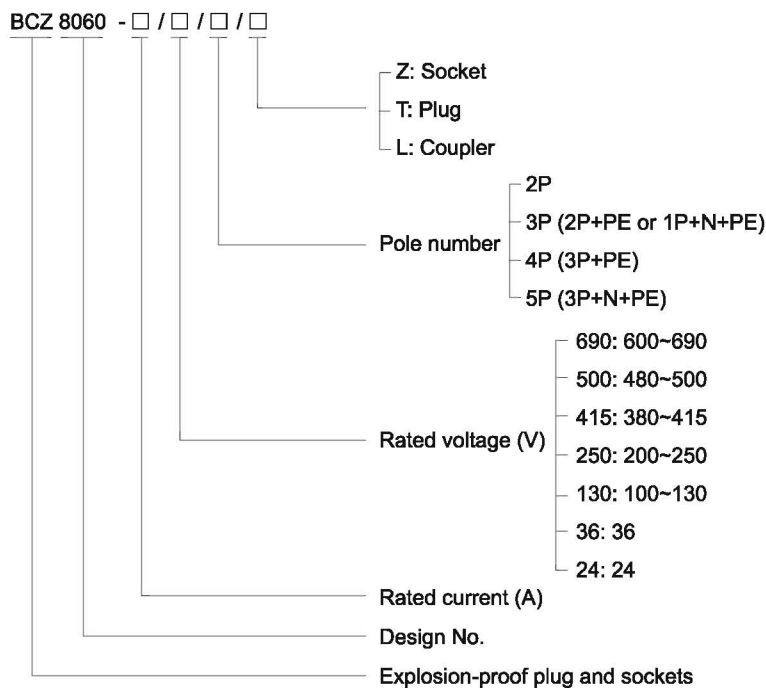


## Plug and Sockets

### 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



## Zones 1&2; 21&22





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# Plug and Sockets

## BCZ8060 Series Explosion-proof Plug and Sockets

# 3

**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



## Plug and Sockets














### BCZ8060 Series Explosion-proof Plug and Sockets

#### Technical data

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

<b>Explosion protection</b>	
Gas explosion protection	⊕ II 2 G Ex de IIC T6 Gb
Dust explosion protection	⊕ II 2 D Ex tb IIIC T80°C Db IP66
<b>Certificates</b>	Nemko 13 ATEX____; IECEX; CQST (China)
<b>Conformity to standards</b>	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
<b>Enclosure material</b>	GRP (glass fibre-reinforced polyester resin)
<b>Exposed fastener</b>	Stainless steel
<b>Rated voltage</b>	AC 600V~690V, 480V~500V, 380V~415V, 200V~250V, 100V~130V DC 36V, 24V
<b>Rated current</b>	16A
<b>Degree of protection</b>	IP66
<b>Ambient temperature</b>	-20°C~+55°C
<b>Cable entries</b>	Standard 1 x G3/4" cable gland, 1 x G3/4" plug
<b>Cable gland (optional)</b>	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	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)
	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
	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

## Plug and Sockets

### BCZ8060 Series Explosion-proof Plug and Sockets



#### Technical data



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

<b>Explosion protection</b>	<p>Gas explosion protection Dust explosion protection</p> <p>⊕ II 2 G Ex de IIC T6 Gb ⊕ II 2 D Ex tb IIIC T80°C Db IP66</p>
<b>Certificates</b>	Nemko 13 ATEX____; IECEX; CQST (China)
<b>Conformity to standards</b>	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
<b>Enclosure material</b>	GRP (glass fibre-reinforced polyester resin)
<b>Exposed fastener</b>	Stainless steel
<b>Rated voltage</b>	AC 600V~690V, 480V~500V, 380V~415V, 200V~250V
<b>Rated current</b>	32A
<b>Degree of protection</b>	IP66
<b>Ambient temperature</b>	-20°C~+55°C
<b>Cable entries</b>	Standard 1 x M40 x 1.5 cable gland, 1 x M40 x 1.5 plug
<b>Cable gland (optional)</b>	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	
<b>Explosion-proof plug and sockets</b> <b>BCZ8060-63/□/□</b>	
<b>Explosion protection</b>	<p>Gas explosion protection       II 2 G Ex de IIC T4 Gb</p> <p>Dust explosion protection       II 2 D Ex tb IIIC T130°C Db IP66</p>
<b>Certificates</b>	Nemko 13 ATEX 1256; IECEX; CQST (China)
<b>Conformity to standards</b>	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
<b>Enclosure material</b>	GRP (glass fibre-reinforced polyester resin)
<b>Exposed fastener</b>	Stainless steel
<b>Rated voltage</b>	AC 380V~415V, 200V~250V
<b>Rated current</b>	63A
<b>Degree of protection</b>	IP66
<b>Ambient temperature</b>	-20°C~+55°C
<b>Cable entries</b>	Standard 1 x G1 1/2" cable gland
<b>Cable gland (optional)</b>	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)
<b>63A Socket</b> 	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
<b>63A Plug</b> 	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

## Plug and Sockets

### BCZ8060 Series Explosion-proof Plug and Sockets

#### Technical data

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

##### 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 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

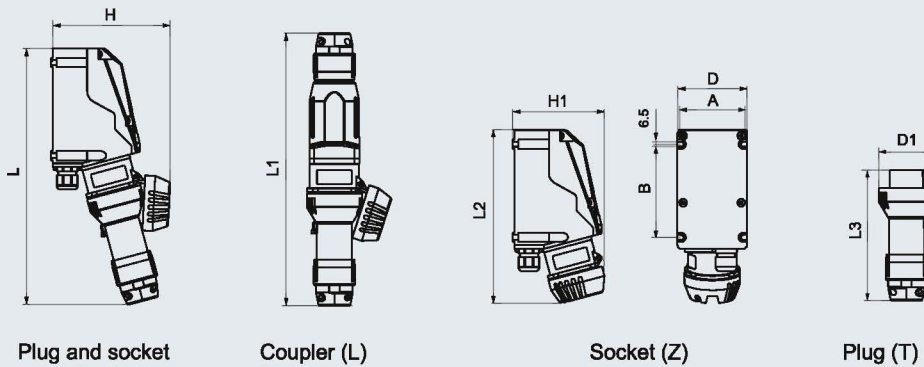
##### Cable gland (optional)

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

#### Accessories and spare parts

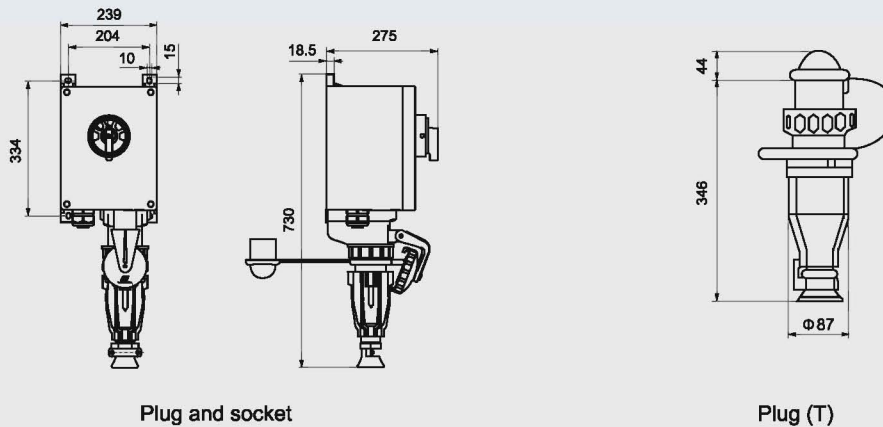
Type	Voltage (V)	Current (A)	Pole number	Schematic diagram	h	Colour	Ordering Code	Weight (kg)
	600 ~ 690	125	3P+PE		5	Black	30134	14.30
	480 ~ 500	125	3P+PE		7	Black	30135	14.30
	380 ~ 415	125	3P+N+PE		6	Red	30136	14.30
		125	3P+PE		6	Red	30137	14.30
	200 ~ 250	125	3P+N+PE		6	Blue	30138	14.30
		125	3P+PE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

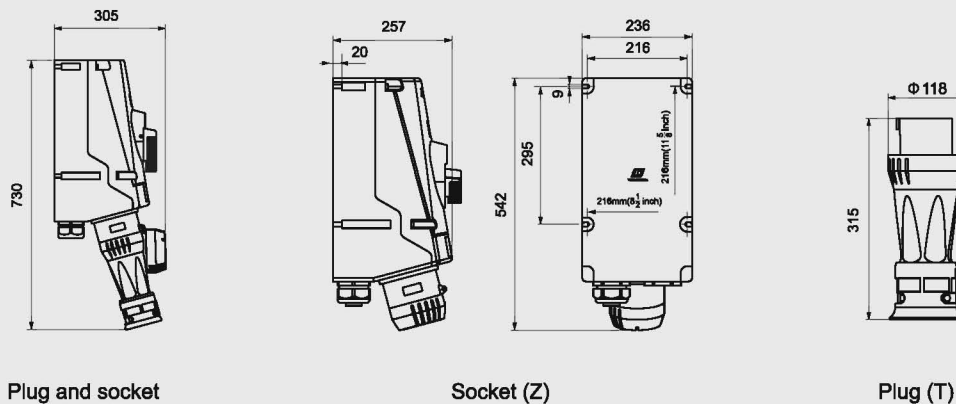


BCZ8060-16/□/□  
BCZ8060-32/□/□

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



BCZ8060-63/□/□



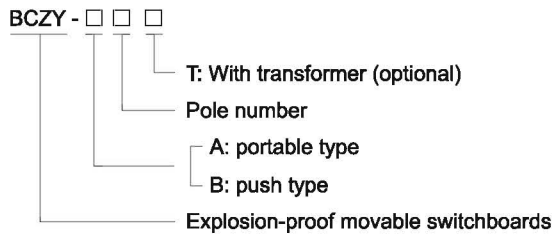
BCZ8060-125/□/□



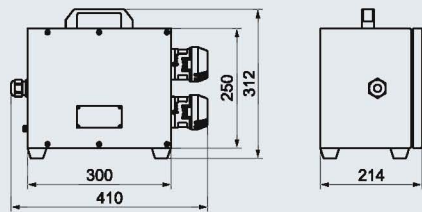
## BCZY Explosion-proof Movable Switchboards

- ◆ Explosion protection to
  - CENELEC
  - IEC
- ◆ Can be used in
  - Zone 1 and Zone 2
  - Zone 21 and Zone 22
- ◆ Type A (portable type) and type B (push type) for option.
- ◆ The box is made of stainless steel.
- ◆ Several kinds of voltage for option.
- ◆ Portable type is equipped with 5m cable; push type is equipped with 20m cable; also can be customized on request.
- ◆ Type A with transformer function.

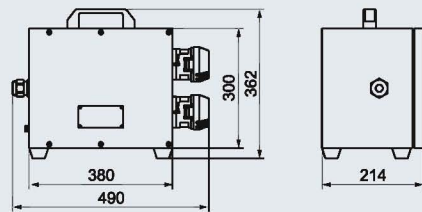
### Catalogue number logic



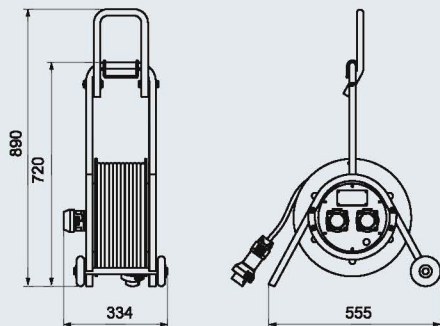
### Dimension drawings (all dimensions in mm) - subject to alteration



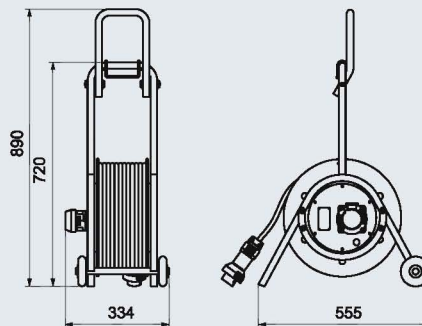
BCZY - A 3P □



BCZY - A 5P □



BCZY - B 3P □





BCZY - B 5P □

## Zones 1&2; 21&22

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Technical data

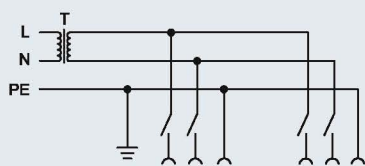
Explosion-proof movable switchboards BCZY-□□

<b>Explosion protection</b>	<p>Gas explosion protection  II 2 G Ex de IIC T6 Gb</p> <p>Dust explosion protection  II 2 D Ex tb IIIIC T80°C Db IP66</p>
<b>Certificates</b>	DNV 13 ATEX____; IECEX
<b>Conformity to standards</b>	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
<b>Material</b>	
Enclosure	Stainless steel
Plug and flange type socket	GRP
Exposed fastener	Stainless steel
<b>Quantity of inserting holes/plugs</b>	3P (2P+PE or 1P+N+PE), 5P(3P+N+PE)
<b>Rated voltage</b>	3P : 200~250V AC, 5P : 380~415V AC
<b>Rated current</b>	16A
<b>Degree of protection</b>	IP66
<b>Ambient temperature</b>	-20°C~+55°C
<b>Cable entries</b>	Portable type: 1 x M25 x 1.5 cable gland (DQM-I Ex e, brass nickel plated)
<b>Weight</b>	Portable type: 8.40kg (equipped with 5m cable) Push type: 13.60kg (equipped with 20m cable)

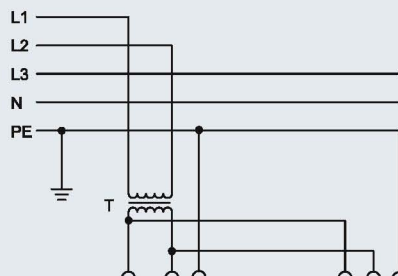
Explosion-proof movable switchboards BCZY-□□T

<b>Rated primary voltage</b>	3P: 200~250VAC 50Hz (60Hz: optional); 5P: 380~415VAC 50Hz (60Hz: optional)
<b>Rated secondary voltage</b>	6V, 24V, 110V, 127V, 220V
<b>Capacity</b>	500VA, 1000VA
<b>Weight</b>	Portable type: 19.40kg (equipped with 5m cable) Push type: 25.20kg (equipped with 20m cable)

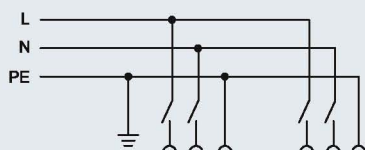
Electrical schematic diagram



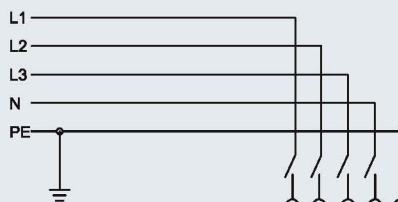
2 x 3 -pole  
BCZY - A 3P □



2 x 3 -pole  
BCZY - A 5P □



2 x 3 -pole  
BCZY - B 3P □



1 x 5 -pole  
BCZY - B 5P □