

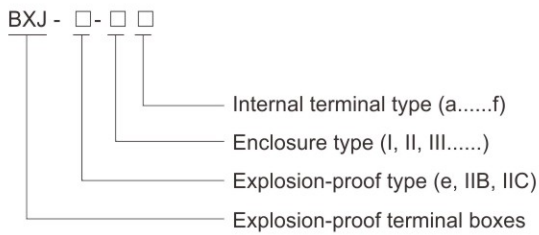
## Terminal Boxes BXJ Series Explosion-proof Terminal Boxes



Ex d IIB

- ◆ 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
  - Class I, Division 2, Groups A, B, C, D
- ◆ Three explosion-proof types (Ex e, Ex d IIB and Ex d IIC).
- ◆ Enclosure: Copper-free Aluminium Alloy, powder coated surface.
- ◆ Size and direction of cable entries can be customized on request.

### ■ Catalogue number logic



Ex d IIC



Ex e IIC



# Zones 1&2; 21&22

## Terminal Boxes

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

#### Technical data


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

<b>Explosion protection</b>									
Global (IECEX)	IECEX CQM 11.0027								
Gas and dust	Ex d IIC T6 Gb Ex tb IIIC T80°C Db IP65								
Europe (ATEX)	Nemko 09 ATEX 1012								
Gas and dust	 II 2 G Ex d IIC T6 Gb  II 2 D Ex tb IIIC T80°C Db IP65								
<b>Certificates</b>	IECEX; ATEX; CU-TR								
<b>Conformity to standards</b>	EN 60079-0, EN 60079-1, EN 60079-31 IEC 60079-0, IEC 60079-1, IEC 60079-31								
<b>Enclosure material</b>	Copper-free Aluminium Alloy , powder coated surface								
<b>Enclosure colour</b>	Window grey (RAL7040)								
<b>Terminal</b>	International brand of terminal blocks								
<b>Exposed fastener</b>	Stainless steel								
<b>Rated voltage</b>	Max. 690V AC								
<b>Rated current</b>	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>	95mm <sup>2</sup>
	Rated current	24A	32A	41A	57A	76A	125A	192A	250A
<b>Internal&amp;external earthing</b>	M5/M8								
<b>Degree of protection</b>	IP65								
<b>Ambient temperature</b>	-20°C~+55°C								
<b>Note</b>	Rated current > 250A 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:** 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 P7/20~29.

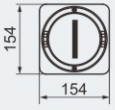
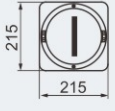
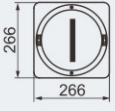
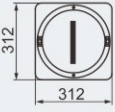
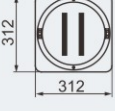
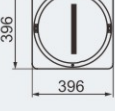
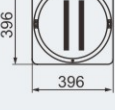
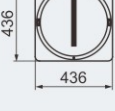
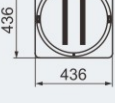
## Terminal Boxes

### 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 95mm<sup>2</sup>

See table for max. number of fitted terminals

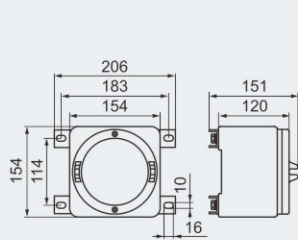
Enclosure code/Ordering code	Outline	Cross section of cable (mm <sup>2</sup> )								Weight (kg)
		2.5 (a)	4 (b)	6 (c)	10 (d)	16 (e)	35 (f)	70 (g)	95 (h)	
I		10	8	6	—	—	—	—	—	3.50
		20	18	15	12	10	—	—	—	
III		25	24	20	15	12	6	—	—	12.00
		32	30	25	18	14	10	—	—	
IV		44	40	32	22	—	—	—	—	15.50
	V		48	44	38	30	20	12	6	
		72	60	50	40	—	—	—	—	21.50
VI		60	54	44	34	26	15	8	8	
		90	80	60	50	40	—	—	—	24.50



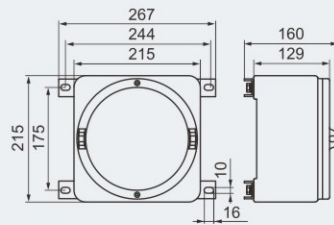
## Terminal Boxes BXJ Series Explosion-proof Terminal Boxes

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

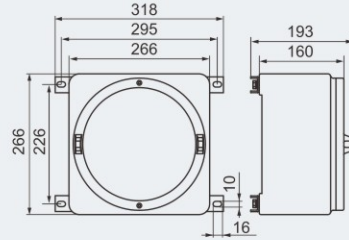
BXJ- IIC-□□



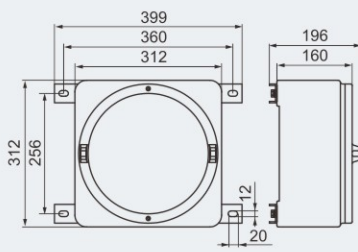
Type I



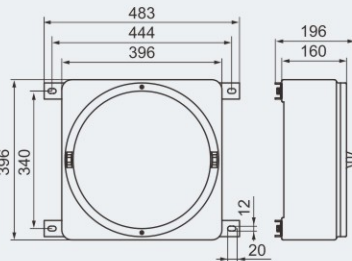
Type II



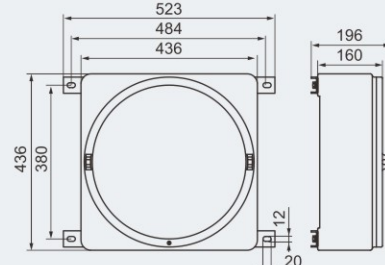
Type III



Type IV



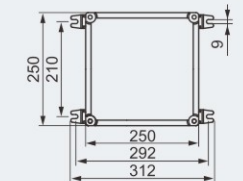
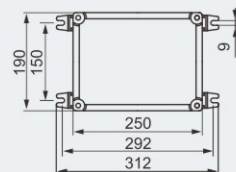
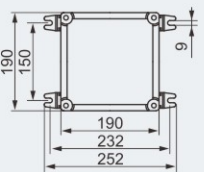
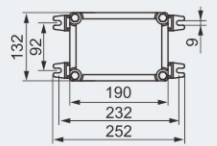
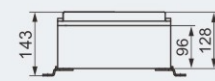
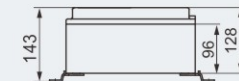
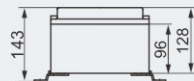
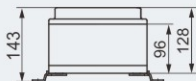
Type V



Type VI

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

BXJ- e-□□

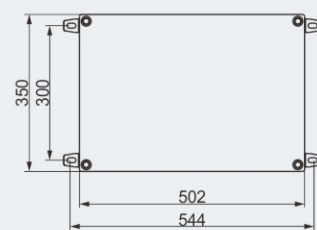
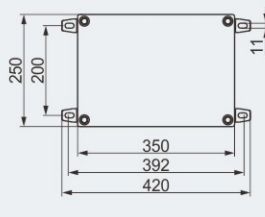
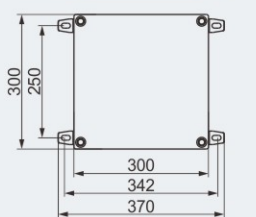
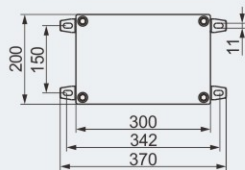


Type I

Type II

Type III

Type IV



Type V

Type VI

Type VII

Type VIII

