

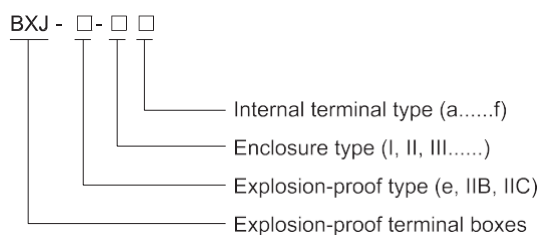
Terminal Boxes BXJ Series Explosion-proof Terminal Boxes



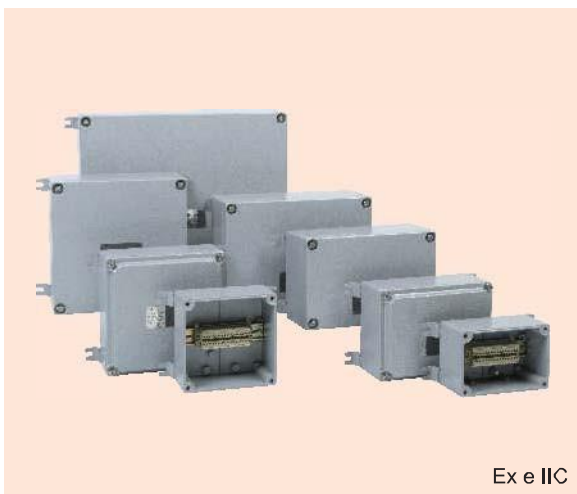
Ex d IIB

- ◆ 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 (carbon steel or stainless steel is optional), 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-e Series Terminal Boxes

Technical data

Terminal boxes (Ex e IIC Ex ib IIC) BXJ-e-□□

Explosion protection

Gas explosion protection
Dust explosion protection

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

Certificates

LCIE 13 ATEX 3027X; IECEx QCM 13.0032X; RU C-CN.ГБ05.В.00345(CU-TR)
KZ.7500525.22.01.00364 (CU-TR)

Conformity to standards

EN 60079-0, EN 60079-7, EN 60079-11, EN 60079-31
IEC 60079-0, IEC 60079-7, IEC 60079-11, IEC 60079-31

Enclosure material

Copper-free aluminium, powder coated surface

Enclosure colour

Window grey (RAL7040)

Terminal

International brand of explosion-proof terminal

Ex-mark: ⊕ II 2 GD Ex e II

Exposed fastener

Stainless steel

Rated voltage

Max. 690V AC

Rated current

Cross section	2.5mm ²	4mm ²	6mm ²	10mm ²	16mm ²	35mm ²
Ex e Rated current	24A	32A	41A	57A	76A	125A
Ex ib Rated current	-	5A	5A	-	-	-

Degree of protection

IP66, IP67 (optional)

Ambient temperature

Ex e: T6 for Tamb: -50°C ~ +40°C; T5 for Tamb: -50°C ~ +55°C
Ex ib: T6 for Tamb: -50°C ~ +55°C

Note

Ex e Rated current > 125A on request.

Cable entry table

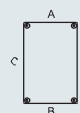
Table of max. number of possible enclosure entries with cable glands DQM-I

Size	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.



Terminal Boxes

BXJ-e Series Terminal Boxes

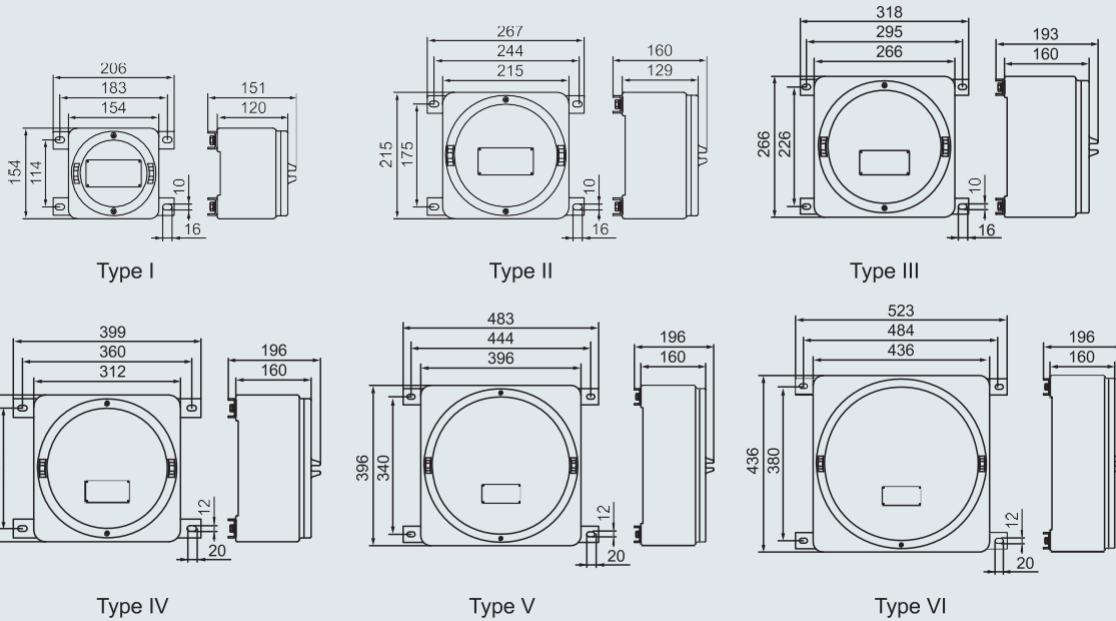
Selection table of BXJ-e series terminal boxes									
Max. cross section of cable connected to terminals is 35mm ²									
See table for max. number of fitted terminals									
Cross section of cable (mm ²)			4 (b)	6 (c)	10 (d)	16 (e)	35 (f)	Max. dissipated power (W)	
Enclosure code/Ordering code									
		16	15	12	10			7.83	2.40
		16	15	12	10			11.81	2.80
		25	22	20	15	12		8.60	3.80
IV		25	22	20	15	12		10.63	5.10
V		35	30	25	20	15		11.34	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- IIC-□□



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

BXJ- e-□□

