

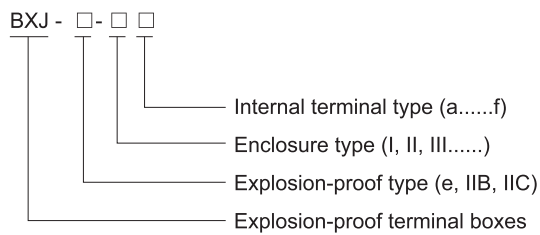
Terminal Boxes BXJ Series Explosion-proof Terminal Boxes



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 CQM 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

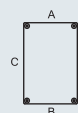
Table of max. number of possible enclosure entries with cable glands DQM-I

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.












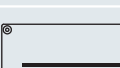
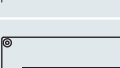
Terminal Boxes

BXJ-e Series Terminal Boxes

Selection table of BXJ-e series terminal boxes

Max. cross section of cable connected to terminals is 35mm²

See table for max. number of fitted terminals

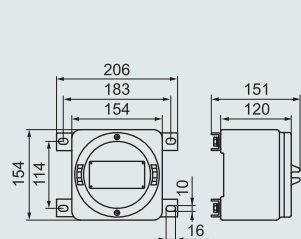
Enclosure code/Ordering code	Cross section of cable (mm ²) Outline	2.5 (a)	4 (b)	6 (c)	10 (d)	16 (e)	35 (f)	Max. dissipated power (W)	Weight (kg)
I		16	15	12	10	—	—	7.83	2.40
II		16	15	12	10	8	—	11.81	2.80
III		25	22	20	15	12	—	8.60	3.80
IV		25	22	20	15	12	8	10.63	5.10
V		35	30	25	20	15	—	11.34	5.80
VI		35	30	25	20	15	10	24.68	7.10
		60	50	40	—	—	—		7.50
VII		40	35	30	24	18	12	20.44	7.00
		40	40	30	—	—	—		7.00
VIII		60	55	40	30	20	15	23.75	9.50
		100	90	66	60	40	—		9.70



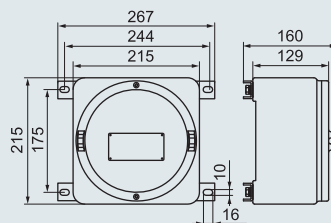
Terminal Boxes BXJ Series Explosion-proof Terminal Boxes

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

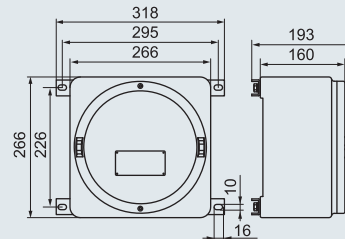
BXJ- IIC-□□



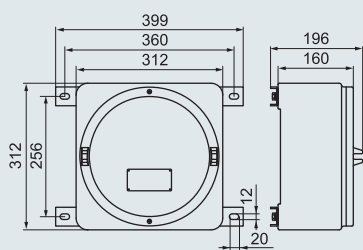
Type I



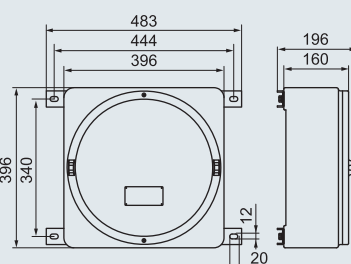
Type II



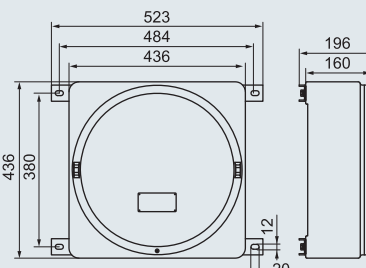
Type III



Type IV



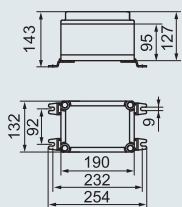
Type V



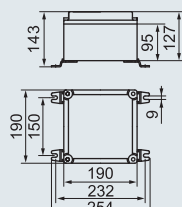
Type VI

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

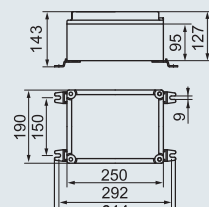
BXJ- e-□□



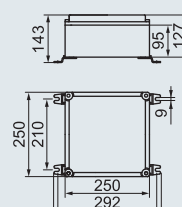
Type I



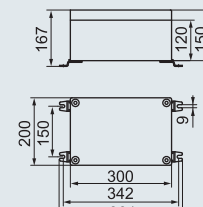
Type II



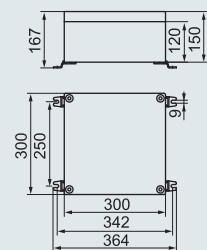
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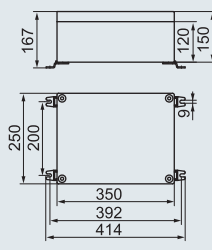
Type IV



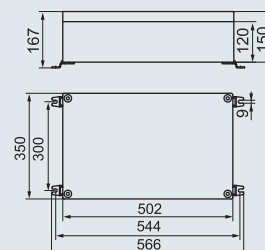
Type V



Type VI



Type VII



Type VIII

