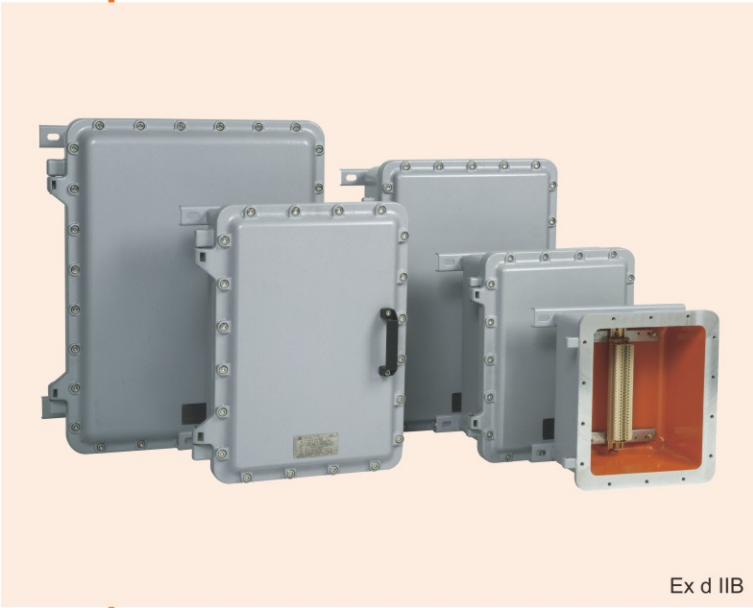


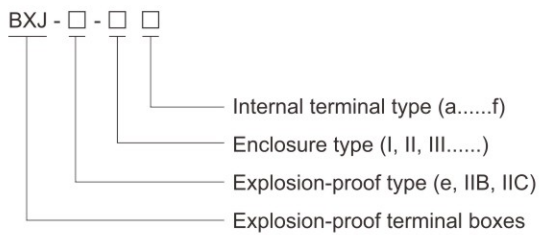
Terminal Boxes BXJ Series Explosion-proof Terminal Boxes



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 IIC, 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


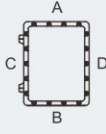
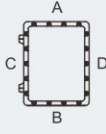
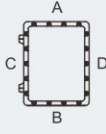

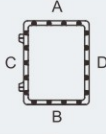
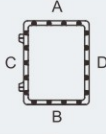
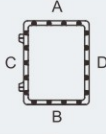


Ex e IIC

Zones 1&2; 21&22

Terminal Boxes BXJ-IIB Series Explosion-proof Terminal Boxes

Technical data																			
Explosion-proof terminal boxes(Ex db IIB+H2) BXJ-IIB-□□																			
Explosion protection																			
Global (IECEX)	IECEX CQM 14. 0061X																		
Gas and dust	Ex db IIB+H2 T6 or T5 Gb Ex tb IIIC T80°C or T95°C Db IP66																		
Europe (ATEX)	TÜV CY 17 ATEX 0205970X																		
Gas and dust	⊕ II 2 G Ex db IIB+H2 T6 or T5 Gb ⊕ II 2 D Ex tb IIIC T80°C or T95°C Db IP66																		
Certificates	IECEX; ATEX																		
Conformity to standards	EN 60079-0, EN 60079-1, EN 60079-31 IEC 60079-0, IEC 60079-1, IEC 60079-31																		
Enclosure material	Copper-free Aluminium Alloy, powder coated surface																		
Enclosure colour	Window grey (RAL7040)																		
Terminal	International brand of terminal blocks																		
Exposed fastener	Stainless steel																		
Ambient temperature	T5/T95°C for Tamb: -60°C≤Ta≤+55°C T6/T80°C for Tamb: -60°C≤Ta≤+40°C																		
Rated voltage	Max. 800V AC																		
Rated current	<table border="1"> <thead> <tr> <th>Cross section</th> <th>2.5mm²</th> <th>4mm²</th> <th>6mm²</th> <th>10mm²</th> <th>16mm²</th> <th>35mm²</th> <th>70mm²</th> <th>240mm²</th> </tr> </thead> <tbody> <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> </tbody> </table>	Cross section	2.5mm ²	4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	70mm ²	240mm ²	Rated current	24A	32A	41A	57A	76A	125A	192A	400A
Cross section	2.5mm ²	4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	70mm ²	240mm ²											
Rated current	24A	32A	41A	57A	76A	125A	192A	400A											
Internal & external earthing	I, II, IIb: M6/M6; III, IIIb, IV, IVb, V, Vb, VI, VIb: M6/M8; VII, VIIb: M8/M8																		
Degree of protection	IP66																		
Note	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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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 P6/24~39.																																																																																																																																						

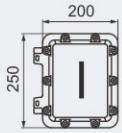
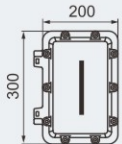
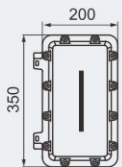
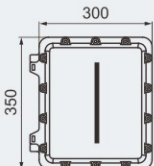
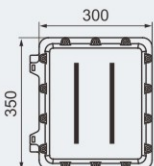
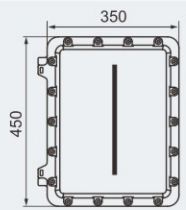
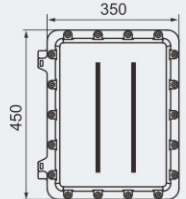
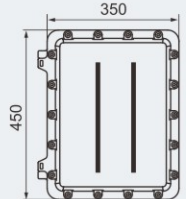


Terminal Boxes BXJ-IIB Series Explosion-proof Terminal Boxes

Selection table of BXJ-IIB series explosion-proof 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	8	—	9.8	7.50
II		22	18	14	12	10	—	14.4	9.00
II b		28	25	20	15	12	—	14.4	10.00
III, IIIb		32	30	24	20	16	8	22.2	16.00 (III)
		2×25	2×23	2×20	—	—	—	22.2	19.80 (III b)
IV, IVb		45	40	34	28	24	16	25.2	16.50 (III)
		2×40	2×35	2×30	2×20	—	—	25.2	20.50 (III b)
		2×40	2×35	2×30	2×20	—	—	25.2	25.50 (IV)
									30.00 (IV b)
									26.30 (IV)
									31.00 (IV b)

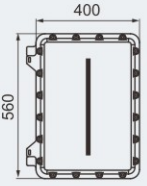
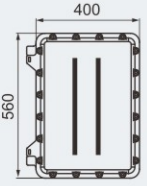
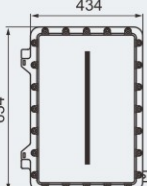
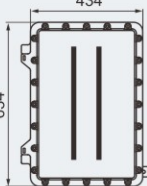
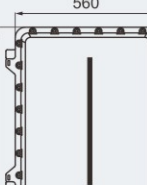
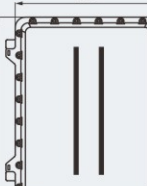


Terminal Boxes BXJ-IIB Series Explosion-proof Terminal Boxes

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

Max. cross section of cable connected to terminals is 240mm²

See table for max. number of fitted terminals

Cross section of cable (mm ²)		2.5 (a)	4 (b)	6 (c)	10 (d)	16 (e)	35 (f)	70 (g)	240 (h)	Max. dissipated power (W)	Weight (kg)
Enclosure code/ Ordering code	Outline										
V, Vb		60	56	48	36	30	20	---	---	55.3	38.00 (V)
											43.00 (Vb)
		2×55	2×50	2×45	2×35	2×33	---	---	---	55.3	39.00 (V)
											44.00 (Vb)
VI, VIb		80	70	60	50	35	20	10	6	64.5	50.00 (VI)
											56.50 (VIb)
		2×80	2×70	2×60	2×50	2×35	---	---	---	64.5	51.50 (VI)
											58.00 (VIb)
VII, VIIb		90	80	70	60	40	25	15	9	93.1	80.00 (VII)
											88.50 (VIIb)
		2×90	2×80	2×70	2×60	2×40	---	---	---	93.1	82.00 (VII)
											91.50 (VIIb)





Terminal Boxes

BXJ-IIC Series Explosion-proof Terminal Boxes

Technical data


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

Explosion protection							
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						
Certificates	IECEX; ATEX						
Conformity to standards	EN 60079-0, EN 60079-1, EN 60079-31 IEC 60079-0, IEC 60079-1, IEC 60079-31						
Enclosure material	Copper-free Aluminium Alloy, powder coated surface						
Enclosure colour	Window grey (RAL7040)						
Terminal	International brand of terminal blocks						
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
	Rated current	24A	32A	41A	57A	76A	100A
Internal & external earthing	M5/M8						
Degree of protection	IP65						
Ambient temperature	-20°C~+55°C						
Note	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 P6/24~39.

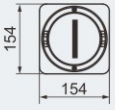
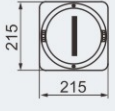
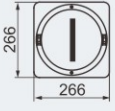
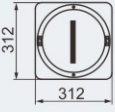
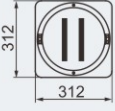
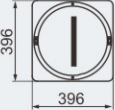
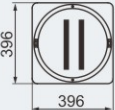
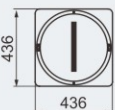
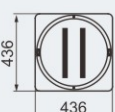
Terminal Boxes

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 95mm²

See table for max. number of fitted terminals

Enclosure code/Ordering code	Outline	Cross section of cable (mm ²)						Weight (kg)
		2.5 (a)	4 (b)	6 (c)	10 (d)	16 (e)	35 (f)	
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
								
V		48	44	38	30	20	12	21.00
								
VI		60	54	44	34	26	15	24.00
								



Terminal Boxes BXJ-e Series Terminal Boxes

Technical data

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

Explosion protection

Global (IECEX)

Gas and dust

IECEX CQM 13.0032X

Ex e IIC T6 or T5 Gb

Ex ib IIC T6 Gb

Ex tb IIIC T80°C Db IP66

Europe (ATEX)

Gas and dust

LCIE 13 ATEX 3027X

⊕ 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

Conformity to standards

IECEX; ATEX; CU-TR

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

Enclosure colour

Terminal

Exposed fastener

Rated voltage

Rated current

Copper-free Aluminium Alloy, powder coated surface

Window grey (RAL7040)

International brand of explosion-proof terminal blocks

Stainless steel

Max. 690V AC

Cross section	2.5mm ²	4mm ²	6mm ²	10mm ²	16mm ²	35mm ²
Ex e Rated current	24A	32A	41A	57A	76A	100A
Ex ib Rated current	5A	5A	5A	-	-	-

Internal & external earthing

Degree of protection

Ambient temperature

Note

M6/M6

IP66

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

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
M20×1.5	2	3	4	4	4	6	6	6	6	10	10	10	8	12	12	18
M25×1.5	2	3	3	3	3	4	4	4	5	9	9	9	7	10	10	16
M32×1.5	1	2	2	2	2	3	3	3	3	4	4	4	4	6	6	10
M40×1.5	1	2	2	2	2	3	3	3	2	3	3	3	2	3	3	5
M50×1.5	/	/	/	/	/	/	/	/	/	3	3	3	2	3	3	5
M63×1.5	/	/	/	/	/	/	/	/	/	2	2	2	2	3	3	4

Note: 1. Ex e: Standard inlet hole is thread hole. If through hole is needed, please indicate when ordering.

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 P6/20~23.












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

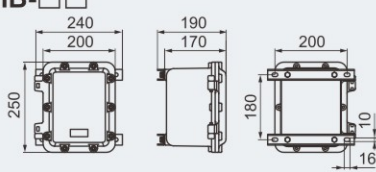
Enclosure code/Ordering code	Outline	Cross section of cable (mm ²)						Max. dissipated power (W)	Weight (kg)
		2.5 (a)	4 (b)	6 (c)	10 (d)	16 (e)	35 (f)		
I		16	15	12	10	—	—	7.83	2.40
II		16	15	12	10	8	—	11.81	2.80
III		25	22	20	15	12	—	8.60	3.80
IV		25	22	20	15	12	8	10.63	5.10
V		35	30	25	20	15	—	11.34	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



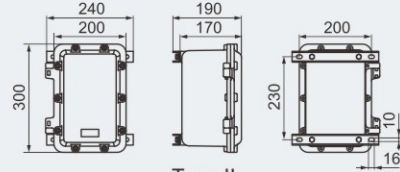
Terminal Boxes BXJ Series Explosion-proof Terminal Boxes

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

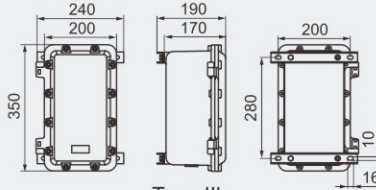
BXJ- IIB-□□



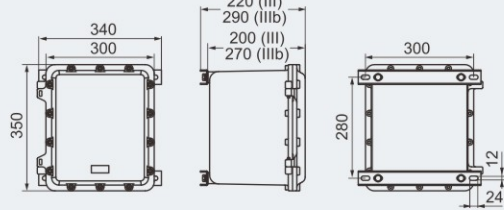
Type I



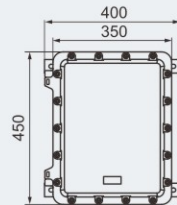
Type II



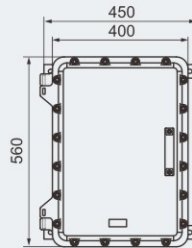
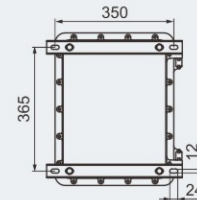
Type IIb



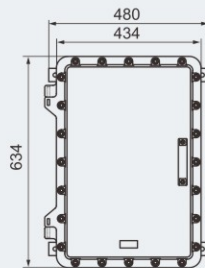
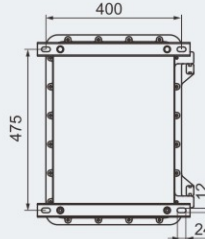
Type III, IIIb



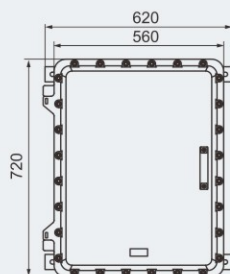
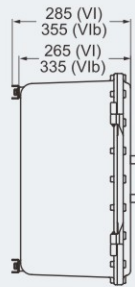
Type IV, IVb



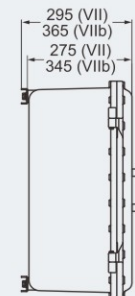
Type V, Vb



Type VI, VIb



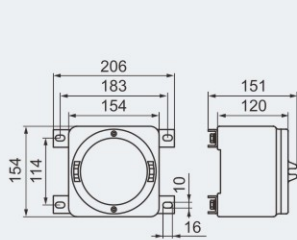
Type VII, VIIb



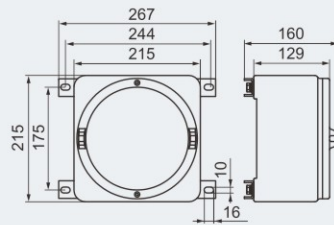
Terminal Boxes BXJ Series Explosion-proof Terminal Boxes

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

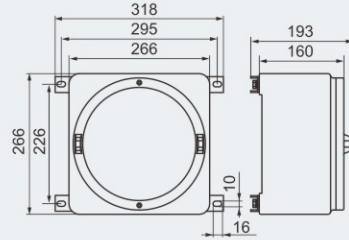
BXJ- IIC-□□



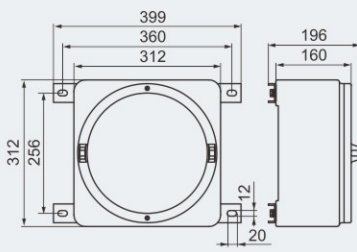
Type I



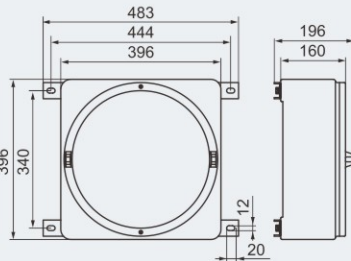
Type II



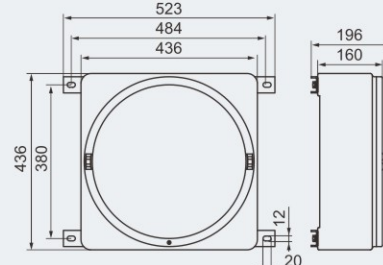
Type III



Type IV



Type V



Type VI

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

BXJ- e-□□



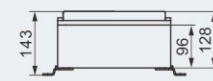
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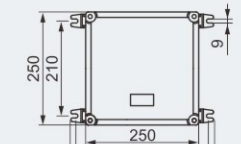
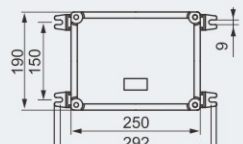
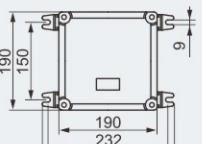
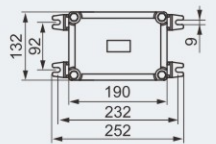
Type II



Type III



Type IV



Type V



Type VI



Type VII



Type VIII

