

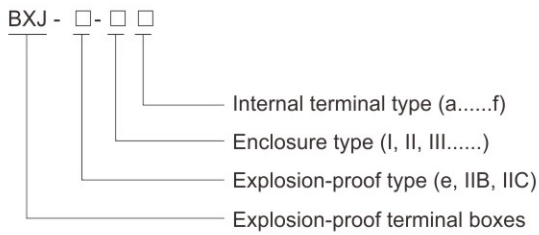
Terminal Boxes BXJ Series Explosion-proof Terminal Boxes



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 (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-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; CU-TR								
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 (carbon steel or stainless steel is optional), 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	70mm ²	95mm ²
	Rated current	24A	32A	41A	57A	76A	125A	192A	250A
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:

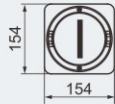
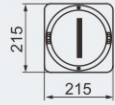
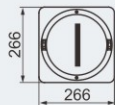
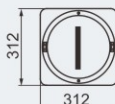
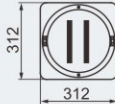
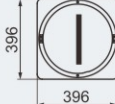
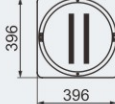
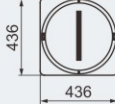
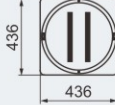
- 1) Please specify the direction and size of each cable entry.
- 2) Cable gland is optional, DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~31.

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)	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
		48	44	38	30	20	12	6	6	
V		72	60	50	40	—	—	—	—	21.50
		60	54	44	34	26	15	8	8	
VI		90	80	60	50	40	—	—	—	24.50

