

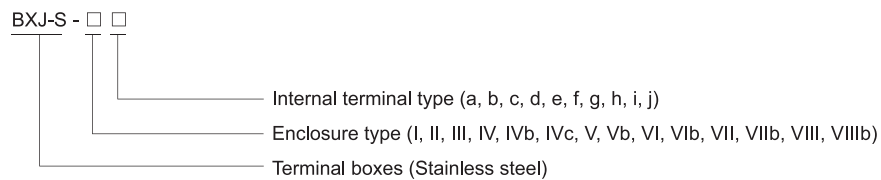
Terminal Boxes

BXJ-S Series Terminal Boxes



- ◆ Explosion protection to
 - CENELEC
 - IEC
 - NEC
- ◆ Can be used in
 - Zone 0, Zone 1 and Zone 2
 - Zone 21 and Zone 22
 - Class I, Zone 1 and Zone 2
 - Class I, Division 2, Groups A, B, C, D
- ◆ Stainless steel enclosure.
- ◆ International brand of explosion-proof terminal.

■ Catalogue number logic



Zones 0&1&2; 21&22

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Technical data						
Terminal boxes (Ex e IIC Ex ia IIC) BXJ-S-□□						
Explosion protection						
Gas explosion protection	Ⓔ II 2 G Ex e IIC T6 or T5 Gb			Ⓔ II 1 G Ex ia IIC T6 Ga		
Dust explosion protection	Ⓔ II 2 D Ex tb IIIC T80℃ or T95℃ Db IP66			Ⓔ II 2 D Ex tb IIIC T80℃ Db IP66		
Certificates	LCIE 10 ATEX 3071X; IECEx CQM 11.0020X; E495178(UL); RU C-CN.ГБ05.B.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 UL 121201, UL 508, UL 50, UL 50E, UL 508A CSA C22.2 No.213, CSA C22.2 No.14, CSA C22.2 No. 94.1, CSA C22.2 No. 94.2					
Enclosure material	Stainless steel					
Terminal	International brand of explosion-proof terminal Ex-mark: Ⓔ II 2 GD Ex e II					
Exposed fastener	Stainless steel					
Rated voltage	Max. 500V AC					
Rated current	Cross section	2.5mm²	4mm²	6mm²	10mm²	16mm²
	Ex e Rated current	24A	32A	41A	57A	76A
	Ex ia Rated current	5A	5A	-	-	-
	Cross section	35mm²	70mm²	120mm²	185mm²	300mm²
	Ex e Rated current	125A	192A	269A	353A	520A
	Ex ia Rated current	-	-	-	-	-
Internal&external earthing	M6/M6					
Degree of protection	IP66, IP67 (optional)					
Ambient temperature	Ex e: T6/T80℃ for Tamb: -40℃ ~ +40℃; T5/T95℃ for Tamb: -40℃ ~ +55℃ Ex ia: T6/T80℃ for Tamb: -40℃ ~ +55℃					
Note	Ex e Rated current > 125A on request.					

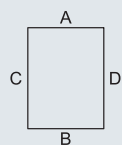


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Cable entry table

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



		Size								
		M20 x 1.5	M25 x 1.5	M32 x 1.5	M40 x 1.5	M50 x 1.5	M63 x 1.5	M75 x 1.5	M90 x 1.5	M115 x 1.5
I	A/B	2	1	/	/	/	/	/	/	/
	C/D	2	1	/	/	/	/	/	/	/
II	A/B	3	3	2	/	/	/	/	/	/
	C/D	4	3	3	/	/	/	/	/	/
III	A/B	9	8	6	3	2	2	/	/	/
	C/D	9	8	6	3	2	2	/	/	/
IV	A/B	12	10	8	4	3	2	/	/	/
	C/D	12	10	8	4	3	2	/	/	/
IVb	A/B	12	12	10	5	3	2	/	/	/
	C/D	16	16	12	7	4	3	/	/	/
IVc	A/B	22	22	14	8	6	4	/	/	/
	C/D	30	30	17	11	8	6	/	/	/
V	A/B	20	18	12	6	5	4	/	/	/
	C/D	20	18	12	6	5	4	/	/	/
Vb	A/B	38	36	21	11	9	7	/	/	/
	C/D	38	36	21	11	9	7	/	/	/
VI	A/B	20	18	12	6	5	5	/	/	/
	C/D	28	24	16	14	12	5	/	/	/
VIb	A/B	47	45	28	16	10	8	/	/	/
	C/D	57	55	36	20	12	10	/	/	/
VII	A/B	40	26	14	10	8	5	/	/	/
	C/D	54	40	26	20	9	7	/	/	/
VIIb	A/B	62	59	38	20	12	10	8	6	3
	C/D	88	78	52	30	26	17	12	9	4
VIII	A/B	83	73	50	28	24	17	11	9	4
	C/D	128	113	74	42	35	26	17	15	6
VIIIb	A/B	149	131	88	43	40	28	17	14	7
	C/D	230	203	130	63	60	43	26	23	11

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.

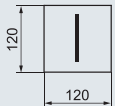
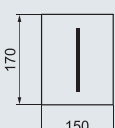
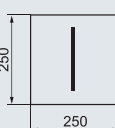
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BXJ-S Series Terminal Boxes

Selection table of BXJ-S series terminal boxes

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

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)	120 (h)	185 (i)	300 (j)	Weight (kg)
Enclosure code/Ordering code	Outline											
I		10	8	—	—	—	—	—	—	—	—	2.25
II		15	12	10	—	—	—	—	—	—	—	3.60
III		25	22	18	15	12	8	—	—	—	—	7.40
IV		30	28	25	20	14	10	—	—	—	—	8.70
IVb, IVc		40	35	30	25	20	12	—	—	—	—	11.50 (IVb)
												13.75 (IVc)



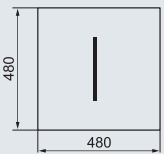
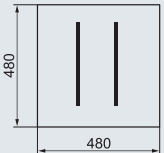
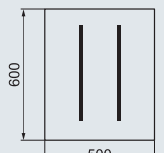
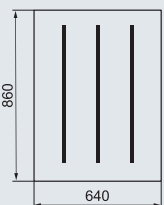
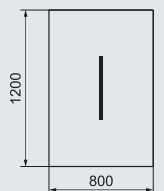
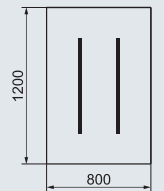
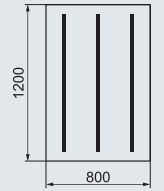
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Enclosure code/Ordering code	Outline											
V, Vb		60	55	45	35	30	20	—	—	—	—	18.60 (V)
												21.70 (Vb)
		120	110	90	70	60	—	—	—	—	—	18.90 (V)
												20.20 (Vb)
VI, VIb		160	140	100	80	70	50	—	—	—	—	25.70 (VI)
												29.20 (VIb)
VII, VIIb		300	270	240	165	135	72	—	—	—	—	40.10 (VII)
												44.90 (VIIb)
VIII, VIIIb		160	150	120	100	80	75	30	20	15	15	55.40 (VIII)
												60.50 (VIIIb)
		320	300	240	200	160	150	—	—	—	—	56.30 (VIII)
												61.20 (VIIIb)
		480	450	360	300	240	—	—	—	—	—	57.00 (VIII)
												62.00 (VIIIb)



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

