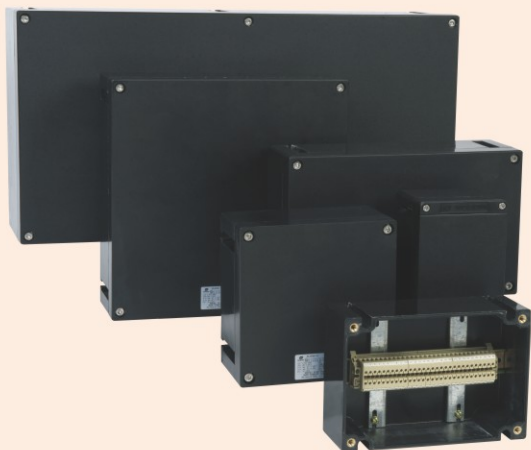


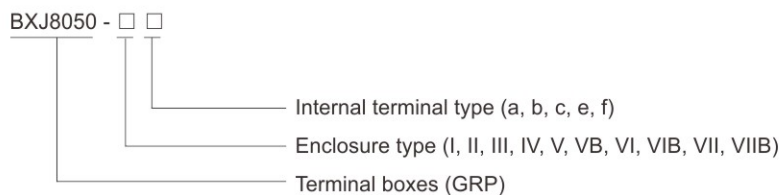
Terminal Boxes

BXJ8050 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
- ◆ GRP (glass fibre-reinforced polyester resin) enclosure.
- ◆ Size and direction of cable entries can be customized on request.

■ Catalogue number logic



Zones 0&1&2; 21&22

Terminal Boxes

BJX8050 Series Terminal Boxes

Technical data

Terminal boxes (Ex e IIC Ex ia IIC) BXJ8050-□□

Explosion protection

Global (IECEx)

Gas and dust

IECEx CQM 13.0031X

Ex e IIC T6 or T5 Gb

Ex ia IIC T6 Ga

Ex tb IIIC T80°C Db IP66

Europe (ATEX)

LCIE 13 ATEX 3036X

Gas and dust

Ex II 2 G Ex e IIC T6 or T5 Gb

Ex II 1 G Ex ia IIC T6 Ga

Ex II 2 D Ex tb IIIC T80°C Db IP66

Certificates

IECEx; ATEX; 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

GRP (glass fibre-reinforced polyester resin)

Terminal

International brand of explosion-proof 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
Ex e Rated current	20A	28A	35A	45A	60A	100A
Ex ia Rated current	5A	5A	5A	-	-	-

Degree of protection

IP66

Ambient temperature

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

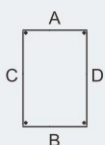
Ex ia: T6 for Tamb: -40°C ~ +55°C

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								
		M20 × 1.5	M25 × 1.5	M32 × 1.5	M40 × 1.5	M50 × 1.5	M63 × 1.5	M75 × 1.5	M90 × 1.5	M115 × 1.5
I	A/B	2	2	1	/	/	/	/	/	/
	C/D	2	2	1	/	/	/	/	/	/
II	A/B	2	2	1	/	/	/	/	/	/
	C/D	5	3	3	2	/	/	/	/	/
III	A/B	3	3	2	2	1	/	/	/	/
	C/D	6	6	2	2	2	/	/	/	/
IV	A/B	8	6	5	3	2	1	/	/	/
	C/D	12	10	8	4	3	2	/	/	/
IVB	A/B	8	6	5	4	3	1	/	/	/
	C/D	12	10	8	5	4	3	/	/	/
V	A/B	14	12	10	5	4	3	/	/	/
	C/D	12	10	8	4	3	2	/	/	/
VB	A/B	14	12	10	5	4	3	/	/	/
	C/D	12	10	8	5	4	3	/	/	/
VI	A/B	8	5	5	3	2	1	/	/	/
	C/D	6	5	3	2	2	1	/	/	/
VII / VIIB	A/B	14	12	10	5	4	3	/	/	/
	C/D	25	21	17	10	6	6	/	/	/

Note: 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 P7/19~21.



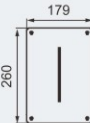
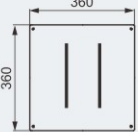
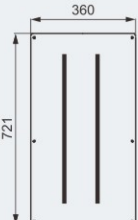
Terminal Boxes

BXJ8050 Series Terminal Boxes

Selection table of BXJ8050 series terminal boxes

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

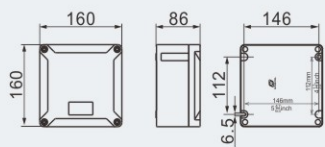
See table for max. number of fitted terminals

Cross section of cable (mm ²)		2.5 (a)	4 (b)	6 (c)	10 (d)	16 (e)	35 (f)	Max. dissipated power (W)	Weight (kg)
Enclosure code/Ordering code	Outline								
I		12	10	8	—	—	—	2.30	0.80
II		25	22	18	—	—	—	6.81	1.30
III		30	28	22	18	15	—	6.50	2.10
IV		44	40	32	25	20	—	14.32	3.25
IVB									4.00
V		88	80	60	50	40	14	28.08	4.15
VB									5.20
VI		25	22	18	14	—	—	7.92	2.00
VII		180	160	130	100	80	30	25.00	14.55
VIIB									16.75

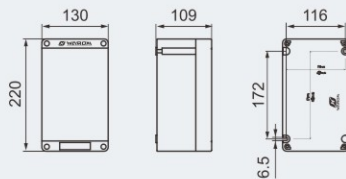
Terminal Boxes

BXJ8050 Series Terminal Boxes

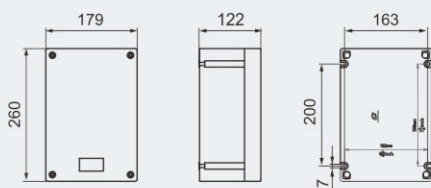
Dimension drawings (all dimensions in mm) - subject to alteration



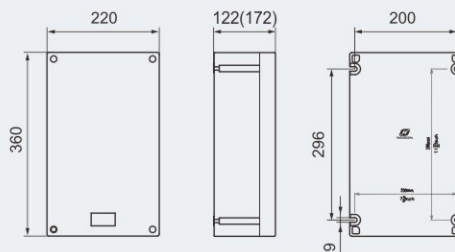
Type I



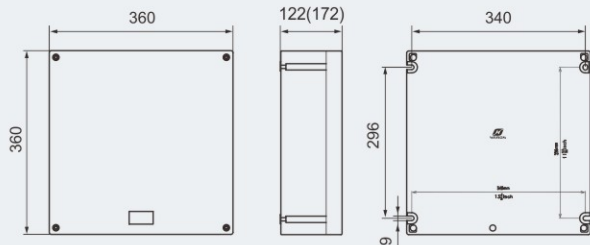
Type II



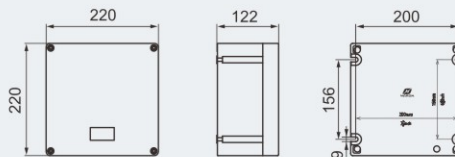
Type III



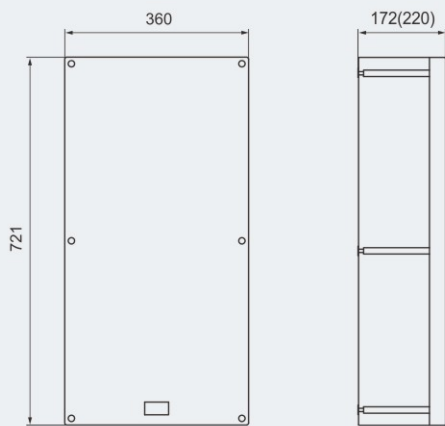
Type IV(IVB)



Type V(VB)



Type VI



Type VII(VIIB)

