

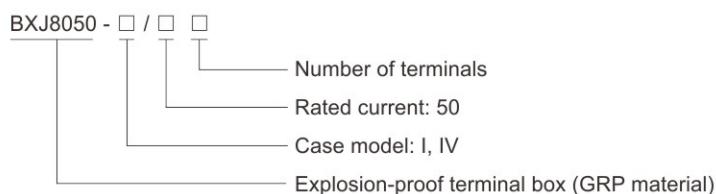
Terminal Boxes

BXJ8050 Series Terminal Boxes



- ◆ 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 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



Technical data

Explosion-proof terminal boxes

BXJ8050-□/□□

Explosion protection

Global (IECEX)

Gas and dust

IECEX CQM 23.0001X

Ex eb IIC T6/T5 Gb (Without fuse module)

Ex eb mb IIC T6/T5 Gb (With fuse module)

Ex tb IIIC T80°C Db

Certificates

IECEX

Conformity to standards

IEC 60079-0, IEC 60079-7, IEC 60079-18, IEC 60079-31

Enclosure material

GRP (glass fibre-reinforced polyester resin)

Terminal

Stud terminals

Cross section of cable

1~10mm²

Exposed fastener

Stainless steel

Rated voltage

Max. 1000V without fuse module, Max. 500V with fuse module

Rated current

Max. 50A. for terminals, Max. 10A for fuse module

Degree of protection

IP66

Ambient temperature

T6: -60°C~+40°C

T5: -60°C~+60°C (Without fuse)

-60°C~+50°C (With fuse)

Cable entries

Standard, see Cable entry table

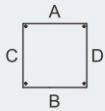
Zones 1&2; 21&22

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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
I	A/B	2	2	1	/	/	/
	C/D	2	2	1	/	/	/
VI	A/B	8	5	5	3	2	2
	C/D	6	5	3	2	2	1

Note: For cable entries:

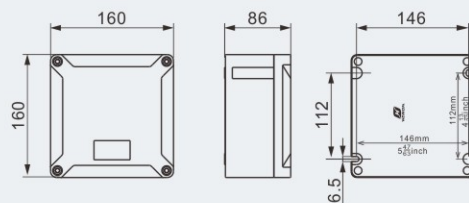
- 1) Please specify the direction and size of each cable entry.
- 2) Cable gland is optional, DQM-I (Ex e) is recommended. Please see P7/17~19.

Terminals

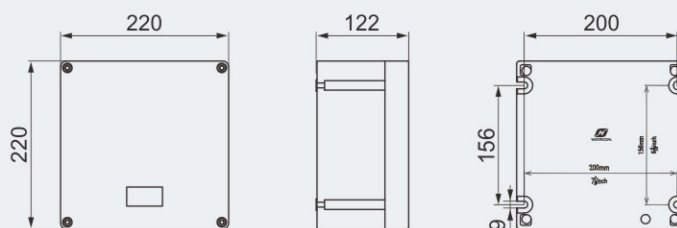
Description	Illustration	Max. Current	Ordering code	Weight (kg)
Stud terminal		50A	30010B	0.1



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



Type I



Type IV