

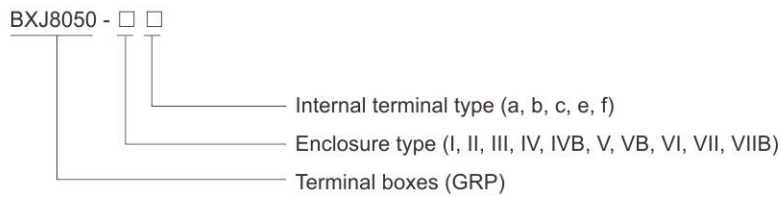
Terminal Boxes

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.

■ Catalogue number logic



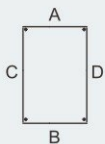
Zones 0&1&2; 21&22

Terminal Boxes BXJ8050 Series Terminal Boxes

Technical data																						
Terminal boxes (Ex e IIC Ex ia IIC) BXJ8050-□□																						
Explosion protection																						
Global (IECEX)	IECEX CQM 13.0031X																					
Gas and dust	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	⊕ II 2 G Ex e IIC T6 or T5 Gb ⊕ II 1 G Ex ia IIC T6 Ga ⊕ 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	<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> </tr> </thead> <tbody> <tr> <td>Ex e Rated current</td> <td>24A</td> <td>32A</td> <td>41A</td> <td>57A</td> <td>76A</td> <td>125A</td> </tr> <tr> <td>Ex ia Rated current</td> <td>5A</td> <td>5A</td> <td>5A</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	Cross section	2.5mm ²	4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	Ex e Rated current	24A	32A	41A	57A	76A	125A	Ex ia Rated current	5A	5A	5A	-	-	-
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Ex e Rated current	24A	32A	41A	57A	76A	125A																
Ex ia Rated current	5A	5A	5A	-	-	-																
Degree of protection	IP66, IP67 (optional)																					
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	3	3	2	2	1	/	/	/	/
	C/D	6	6	2	2	2	/	/	/	/
III	A/B	8	5	5	3	2	1	/	/	/
	C/D	6	5	3	2	2	1	/	/	/
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	14	12	10	5	4	3	/	/	/
	C/D	26	20	15	10	5	3	/	/	/
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 P7/17~19.





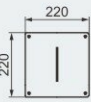

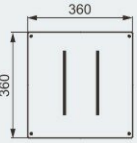
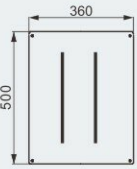

Terminal Boxes

BXJ8050 Series Terminal Boxes

Selection table of BXJ8050 series terminal boxes

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

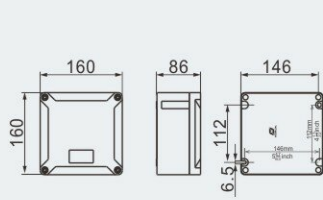
See table for max. number of fitted terminals

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	14	10	—	—	—	2.30	1.20
II		30	25	20	18	15	—	6.50	2.10
III		25	20	18	15	—	—	7.92	2.00
IV		40	40	30	25	20	—	14.32	3.25
IVB									4.00
V		80	80	60	50	40	—	28.08	4.15
VB									5.20
VI		110	110	85	70	55	22	26.00	5.76
VII		160	160	120	100	80	30	25.00	14.55
VIIB									16.75

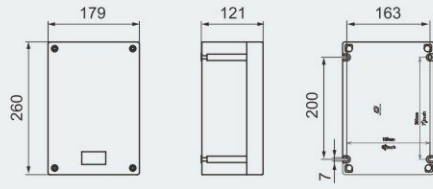


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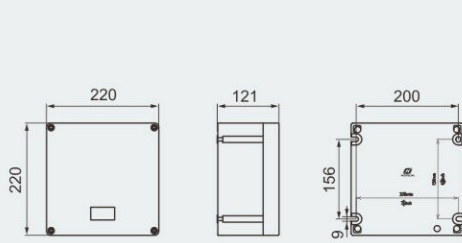
Dimension drawings (all dimensions in mm) - subject to alteration



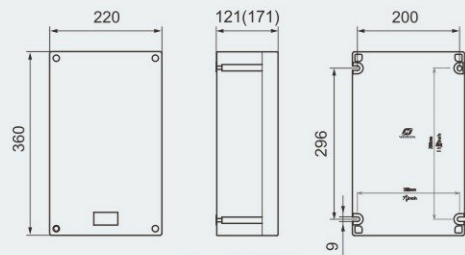
Type I



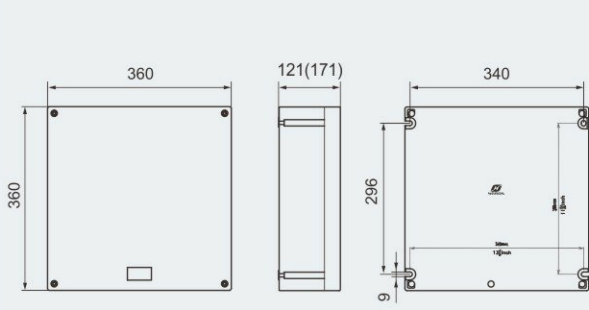
Type II



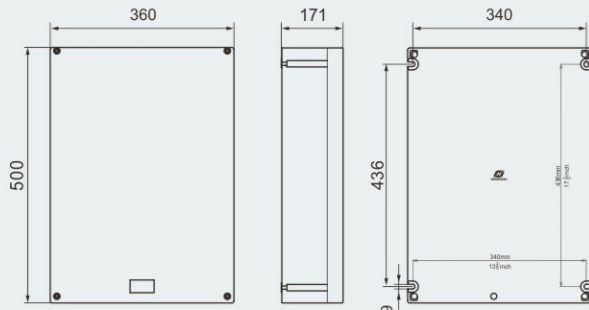
Type III



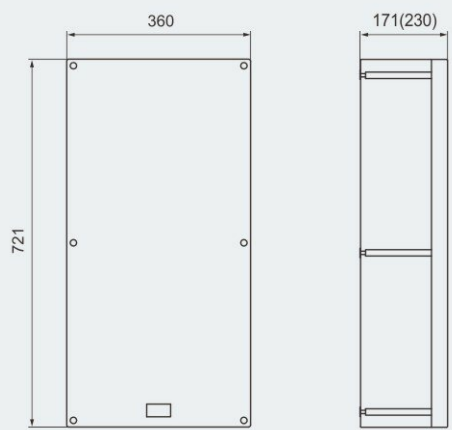
Type IV, IVB



Type V, VB



Type VI



Type VII, VIIB

