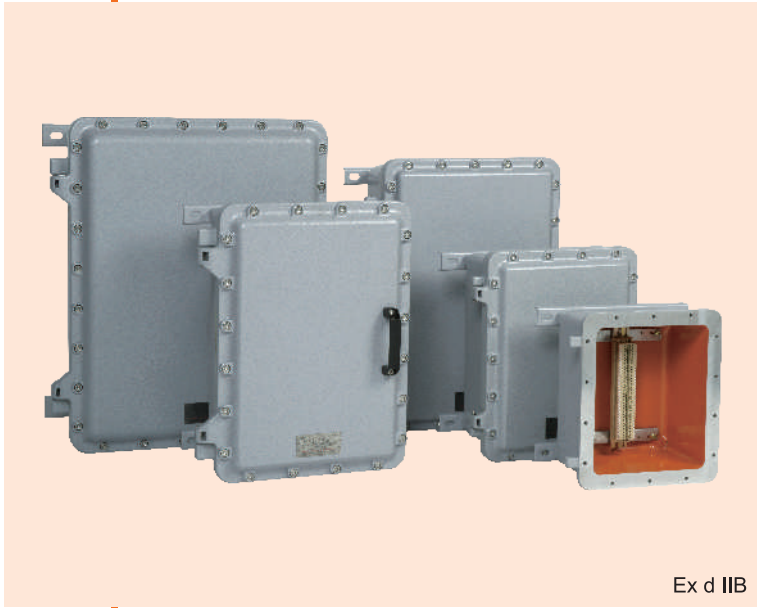
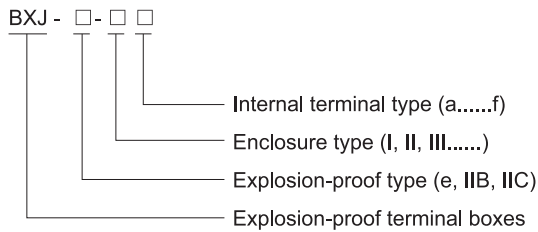


Terminal Boxes BXJ Series Explosion-proof Terminal Boxes



- ◆ 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 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 (carbon steel or stainless steel is optional), powder coated surface.
- ◆ Size and direction of cable entries can be customized on request.



Catalogue number logic



Zones 1&2; 21&22

Terminal Boxes BXJ-IIB Series Explosion-proof Terminal Boxes

Technical data																			
Explosion-proof terminal boxes(Ex d IIB+H2) BXJ-IIB-□□																			
Explosion protection	Gas explosion protection $\text{Ex II 2 G Ex db IIB+H2 T6/T5 Gb}$ Dust explosion protection $\text{Ex II 2 D Ex tb IIIC T80°C/T95°C Db IP66}$																		
Certificates	TÜV CY 17 ATEX 0205970X IECEx CQM 14. 0061X KZ.7500525.22.01.00364 (CU-TR) RU C-CN.ГБ05.В.00345 (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 (carbon steel or stainless steel is optional), powder coated surface																		
Enclosure colour	Window grey (RAL7040)																		
Terminal	International brand of terminal																		
Exposed fastener	Stainless steel																		
Ambient temperature	-60°C ≤ Ta ≤ +55°C → T5/T95°C -60°C ≤ Ta ≤ +40°C → T6/T80°C																		
Rated voltage	Max. 800V 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> <th>70mm²</th> <th>240mm²</th> </tr> </thead> <tbody> <tr> <td>Rated current</td> <td>24A</td> <td>32A</td> <td>41A</td> <td>57A</td> <td>76A</td> <td>125A</td> <td>192A</td> <td>400A</td> </tr> </tbody> </table>	Cross section	2.5mm ²	4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	70mm ²	240mm ²	Rated current	24A	32A	41A	57A	76A	125A	192A	400A
Cross section	2.5mm ²	4mm ²	6mm ²	10mm ²	16mm ²	35mm ²	70mm ²	240mm ²											
Rated current	24A	32A	41A	57A	76A	125A	192A	400A											
Internal&external earthing	I, II, IIb: M6/M6; III, IIIb, IV, IVb, V, Vb, VI, VIb: M6/M8; VII, VIIb: M8/M8																		
Degree of protection	IP66, IP67 (optional)																		
Note	Rated current > 400A on request																		

Cable entry table															
Table of max. number of possible enclosure entries with cable glands DQM-II															
	I		II		II b		III		III b		IV		IV b		
	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	
Size	A/B	C/D	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 x 1.5	5	8	5	10	5	12	10	12	16	20	12	16	22	30	
M25 x 1.5	5	7	5	9	5	10	9	11	12	15	11	14	15	20	
M32 x 1.5	2	3	2	4	2	6	7	9	9	12	9	12	12	16	
M40 x 1.5	2	2	2	3	2	4	3	4	5	6	4	5	6	9	
M50 x 1.5	1	2	1	3	1	3	3	3	4	5	3	4	5	7	
M63 x 1.5	1	2	1	2	1	3	2	3	2	3	3	3	3	5	
	V		V b		VI		VI b		VII		VII b				
	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D			
Size	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 x 1.5	14	21	24	40	19	33	30	50	28	41	45	65			
M25 x 1.5	12	19	18	27	16	28	20	36	25	35	30	44			
M32 x 1.5	10	15	14	21	13	22	18	30	21	29	25	36			
M40 x 1.5	4	7	8	12	7	13	11	18	11	16	15	21			
M50 x 1.5	4	5	5	9	6	11	6	10	10	13	12	12			
M63 x 1.5	3	5	4	7	3	5	5	9	4	6	7	10			

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-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~29.

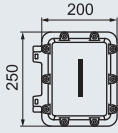
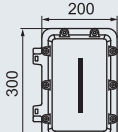
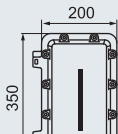
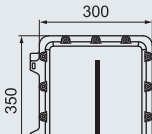
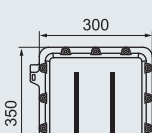
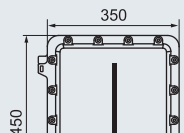
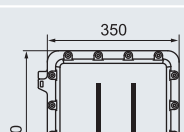


Terminal Boxes BXJ-IIB Series Explosion-proof Terminal Boxes

Selection table of BXJ-IIB series explosion-proof terminal boxes

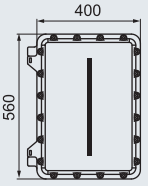
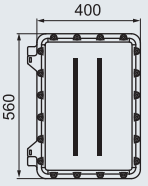
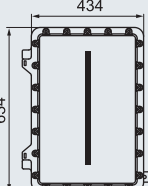
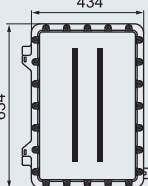
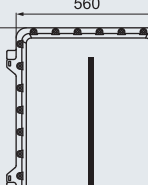
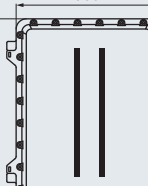
Max. cross section of cable connected to terminals is 35mm²

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)							
Endlosure code/Ordering code	Outline															
I		16	15	12	10	8	—	9.8	7.50							
II		22	18	14	12	10	—	14.4	9.00							
II b		28	25	20	15	12	—	14.4	10.00							
III, IIIb		32	30	24	20	16	8	22.2	16.00 (III)							
									19.80 (III b)							
									50	46	40	—	—	—	22.2	16.50 (III)
																20.50 (III b)
IV, IVb		45	40	34	28	24	16	25.2	25.50 (IV)							
									30.00 (IV b)							
									80	70	60	40	—	—	25.2	26.30 (IV)
																31.00 (IV b)



Terminal Boxes BXJ-IIB Series Explosion-proof Terminal Boxes

Selection table of BXJ-IIB series explosion-proof terminal boxes											
Max. cross section of cable connected to terminals is 240mm ²											
See table for max. number of fitted terminals											
Enclosure code/ Ordering code	Outline	Cross section of cable (mm ²)								Max. dissipated power (W)	Weight (kg)
		2.5 (a)	4 (b)	6 (c)	10 (d)	16 (e)	35 (f)	70 (g)	240 (h)		
V, Vb		60	56	48	36	30	20	---	---	55.3	38.00 (V)
											43.00 (Vb)
		110	100	90	70	66	---	---	---	55.3	39.00 (V)
											44.00 (Vb)
VI, VIb		80	70	60	50	35	20	10	6	64.5	50.00 (VI)
											56.50 (VIb)
		160	140	120	100	70	---	---	---	64.5	51.50 (VI)
											58.00 (VIb)
VII, VIIb		90	80	70	60	40	25	15	9	93.1	80.00 (VII)
											88.50 (VIIb)
		180	160	140	120	80	---	---	---	93.1	82.00 (VII)
											91.50 (VIIb)



Terminal Boxes

BXJ-IIC Series Explosion-proof Terminal Boxes

Technical data																			
Explosion-proof terminal boxes (Ex d IIC) BXJ- IIC-□□																			
Explosion protection																			
Gas explosion protection	⊕ II 2 G Ex d IIC T6 Gb																		
Dust explosion protection	⊕ II 2 D Ex tb IIIC T80°C Db IP65																		
Certificates	Nemko 09 ATEX 1012; IECEx CQM 11.0027; KZ.7500525.22.01.00364 (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 (carbon steel or stainless steel is optional), powder coated surface																		
Enclosure colour	Window grey (RAL7040)																		
Terminal	International brand of terminal																		
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> <th>70mm²</th> <th>95mm²</th> </tr> </thead> <tbody> <tr> <td>Rated current</td> <td>24A</td> <td>32A</td> <td>41A</td> <td>57A</td> <td>76A</td> <td>125A</td> <td>192A</td> <td>250A</td> </tr> </tbody> </table>	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
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
Size	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: 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-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~29.

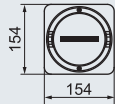
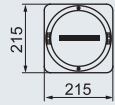
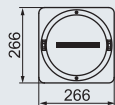
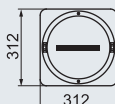
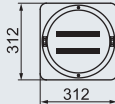
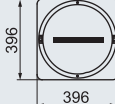
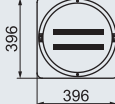
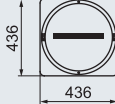
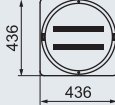
Terminal Boxes

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


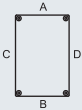
Enclosure code/Ordering code	Outline	Cross section of cable (mm ²)								Weight (kg)
		2.5 (a)	4 (b)	6 (c)	10 (d)	16 (e)	35 (f)	70 (g)	95 (h)	
I		10	8	6	—	—	—	—	—	3.50
		20	18	15	12	10	—	—	—	
III		25	24	20	15	12	6	—	—	12.00
		32	30	25	18	14	10	—	—	
IV		44	40	32	22	—	—	—	—	15.50
		48	44	38	30	20	12	6	6	
V		72	60	50	40	—	—	—	—	21.50
		60	54	44	34	26	15	8	8	
VI		90	80	60	50	40	—	—	—	24.50



Terminal Boxes BXJ-e Series Terminal Boxes












Technical data																						
Terminal boxes (Ex e IIC Ex ib IIC) BXJ-e-□□																						
Explosion protection	Gas explosion protection: Ex II 2 G Ex e IIC T6 or T5 Gb Ex II 2 G Ex ib IIC T6 Gb Dust explosion protection: Ex II 2 D Ex tb IIIC T80°C Db IP66																					
Certificates	LCIE 13 ATEX 3027X; IECEx CQM 13.0032X; RU C-CN.ГБ05.В.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																					
Enclosure material	Copper-free aluminium, powder coated surface																					
Enclosure colour	Window grey (RAL7040)																					
Terminal	International brand of explosion-proof terminal Ex-mark: Ex II 2 GD Ex e II																					
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 ib 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 ib Rated current	5A	5A	5A	-	-	-
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 ib Rated current	5A	5A	5A	-	-	-																
Internal&external earthing	M6/M6																					
Degree of protection	IP66, IP67 (optional)																					
Ambient temperature	Ex e: T6 for Tamb: -50°C ~ +40°C; T5 for Tamb: -50°C ~ +55°C Ex ib: T6 for Tamb: -50°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																																																																																																																																								
																																																																																																																																								
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M63 x 1.5	/	/	/	/	/	/	/	/	/	2	2	2	2	3	3	4																																																																																																																								
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.																																																																																																																																								

Terminal Boxes

BXJ-e Series Terminal Boxes

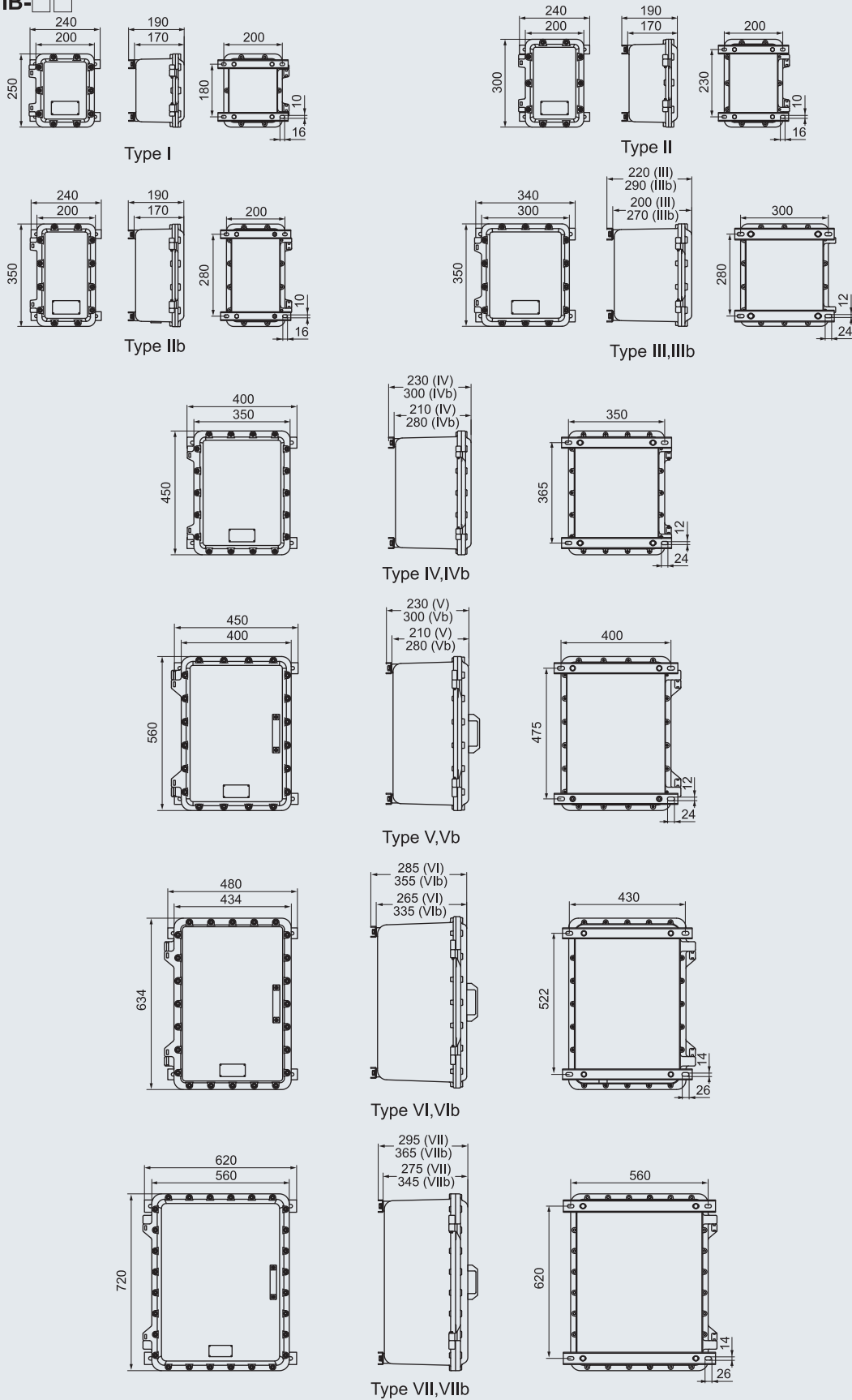
Selection table of BXJ-e series terminal boxes									
Max. cross section of cable connected to terminals is 35mm ²									
See table for max. number of fitted terminals									
Cross section of cable (mm ²)		2.5 (a)	4 (b)	6 (c)	10 (d)	16 (e)	35 (f)	Max. dissipated power (W)	Weight (kg)
Enclosure code/Ordering code	Outline								
I		16	15	12	10	—	—	7.83	2.40
II		16	15	12	10	8	—	11.81	2.80
III		25	22	20	15	12	—	8.60	3.80
IV		25	22	20	15	12	8	10.63	5.10
V		35	30	25	20	15	—	11.34	5.80
VI		35	30	25	20	15	10	24.68	7.10
		60	50	40	—	—	—		7.50
VII		40	35	30	24	18	12	20.44	7.00
		40	40	30	—	—	—		7.00
VIII		60	55	40	30	20	15	23.75	9.50
		100	90	66	60	40	—		9.70



Terminal Boxes BXJ Series Explosion-proof Terminal Boxes

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

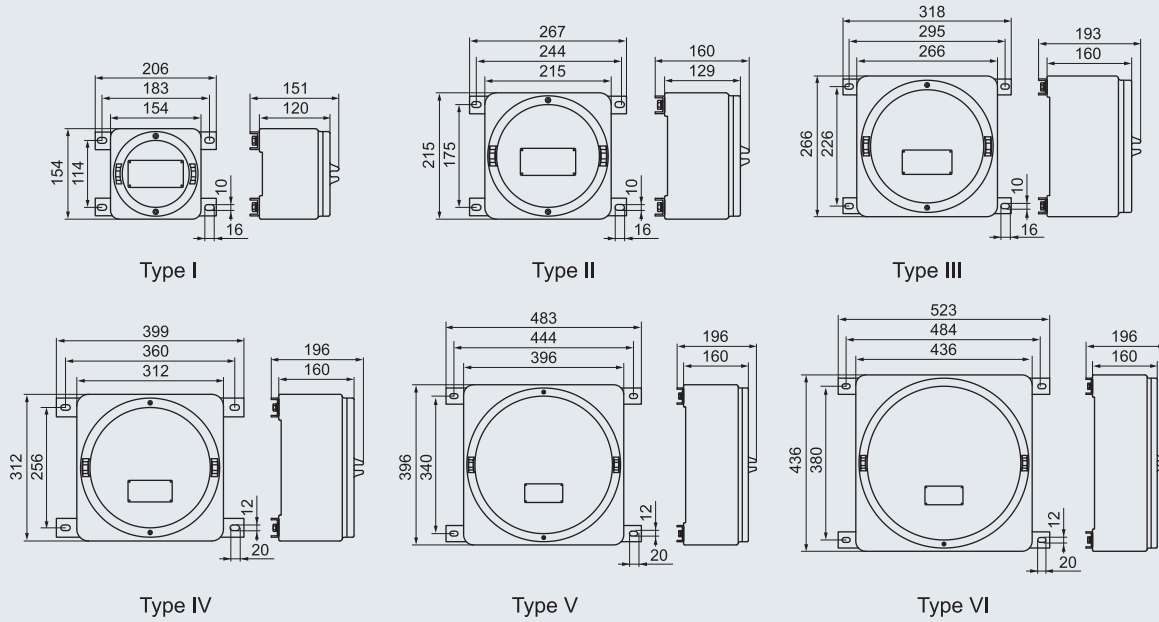
BXJ- IIB-□□



Terminal Boxes BXJ Series Explosion-proof Terminal Boxes

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

BXJ- IIC-□□



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

BXJ- e-□□

