Technical data

Terminal boxes (Ex e) BXJ-e-□□

Explosion protection	
Gas explosion protection	Ⓔx II 2 G Ex e IIC T6 or T5 Gb Ⓔx II 2 G Ex ib IIC T6 Gb
Dust explosion protection	Ⓔx II 2 D Ex tb IIIC T80℃ Db IP66
Certificates	LCIE 13 ATEX ____; IECEx; GOST.R (Russia); PCEC(China)
Conformity to standards	EN 60079-0:2009, EN 60079-7:2007
	EN 60079-11:2007, EN 60079-31:2009
	IEC 60079-0:2011, IEC 60079-7:2006
	IEC 60079-11:2006, IEC 60079-31:2008
Enclosure material	Copper-free aluminium; powder coated surface
Enclosure colour	Window grey (RAL7040)
Terminal	Weidmuller SAK EN series
	Ex-mark: Ⓔx II 2 GD Ex e II
Exposed fastener	Stainless steel
Rated voltage	Max. 690V AC

Rated current

Cross section	2.5mm²	4mm2	6mm2	10mm2	16mm2	35mm2
Ex e Rated current	24A	32A	41A	57A	76A	125A
Ex ib Rated current	5A	5A	-	-	-	-

Degree of protection	IP66
Ambient temperature	For increased safety terminal box: T6 for Tamb: -40℃ ~ +40℃; T5 for Tamb: -40℃ ~ +55℃
	For intrinsic safety terminal box: T6 for Tamb: -40℃ ~ +55℃
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	I		II		III		IV		V		VI		VII		VIII	
	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	A/B	C/D
M20 x 1.5	2	3	4	4	4	6	6	6	6	10	10	10	8	12	12	18
M25 x 1.5	2	3	3	3	3	4	4	4	5	9	9	9	7	10	10	16
M32 x 1.5	1	2	2	2	2	3	3	3	3	4	4	4	4	6	6	10
M40 x 1.5	1	2	2	2	2	3	3	3	2	3	3	3	2	3	3	5
M50 x 1.5	/	/	/	/	/	/	/	/	/	3	3	3	2	3	3	5
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.

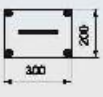
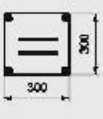
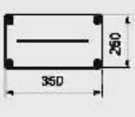
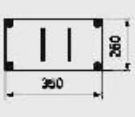
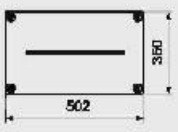
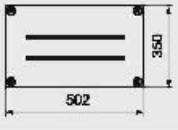
2. For cable entries:

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.

Selection table of BXJ-e series terminal boxes

Max. cross section of cable connected to terminals is 35mm²
See table for max. number of fitted terminals

Cable size (mm²)		2.5 (a)	4 (b)	6 (c)	10 (d)	16 (e)	35 (f)	Weight
Enclosure code/Ordering code	Outline	SAK 2.5EN	SAK 4EN	SAK 6EN	SAK 10EN	SAK 16EN	SAK 35EN	(kg)
I		16	15	12	10	—	—	2.40
II		16	15	12	10	8	—	2.80
III		25	22	20	15	12	—	3.80
IV		25	22	20	15	12	8	5.10
V		35	30	25	20	15	—	5.80
VI		35	30	25	20	15	10	7.10
		60	50	40	—	—	—	7.50
VII		40	35	30	24	18	12	7.00
		40	40	30	—	—	—	7.00
VIII		60	55	40	30	20	15	9.50
		100	90	66	60	40	—	9.70