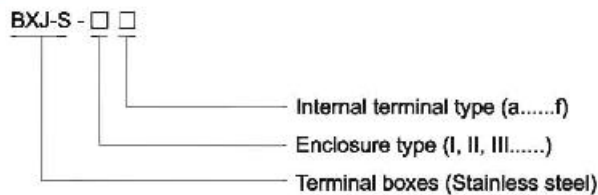


Terminal boxes

BXJ-S Series Terminal Boxes(Ex e)


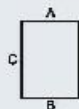
- ◆ Explosion protection to
 - CENELEC
 - IEC
 - NEC
- ◆ Can be used in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
 - Class I, Zone 1 and Zone 2
 - Class I, Division 2, Groups A, B, C, D
- ◆ Stainless steel enclosure.
- ◆ Weidmuller SAK EN series terminals.

■ Catalogue number logic



Zones 1&2; 21&22

Technical data																						
Terminal boxes (Ex e)	BXJ-S-□□																					
Explosion protection																						
Gas explosion protection	⊕ II 2 G Ex e IIC T6 or T5 Gb ⊕ II 1 G Ex ia IIC T6 Ga																					
Dust explosion protection	⊕ II 2 D Ex tb IIIC T80°C or T95°C Db IP66 ⊕ II 2 D Ex tb IIIC T80°C Db IP66																					
Certificates	LCIE 10 ATEX 3071X; IECEx QQM 11.0020X; POCC CN. Г б 05. B03637(Russia); FM (USA)																					
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	Stainless steel																					
Terminal	Weidmuller SAK EN series																					
Exposed fastener	Stainless steel																					
Rated voltage	Max. 500V 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>18mm²</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>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	Cross section	2.5mm ²	4mm ²	6mm ²	10mm ²	18mm ²	35mm ²	Ex e Rated current	24A	32A	41A	57A	76A	125A	Ex ia Rated current	5A	5A	-	-	-	-
Cross section	2.5mm ²	4mm ²	6mm ²	10mm ²	18mm ²	35mm ²																
Ex e Rated current	24A	32A	41A	57A	76A	125A																
Ex ia Rated current	5A	5A	-	-	-	-																
Degree of protection	IP66																					
Ambient temperature	For increased safety terminal box: T6 for Tamb: -40°C ~ +40°C; T5 for Tamb: -40°C ~ +50°C For intrinsic safety terminal box: T6 for Tamb: -40°C ~ +50°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															
		I	II	III	IV	V	VI	VII							
															
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	2	2	3	4	9	9	12	12	20	20	20	28	40	54	
M25 x 1.5	1	1	3	3	8	8	10	10	18	18	18	24	26	40	
M32 x 1.5	/	/	2	3	6	6	8	8	12	12	12	16	14	26	
M40 x 1.5	/	/	/	/	3	3	4	4	6	6	6	14	10	20	
M50 x 1.5	/	/	/	/	2	2	3	3	5	5	5	12	8	9	
M63 x 1.5	/	/	/	/	2	2	2	2	4	4	5	5	5	7	
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.															

