

## Terminal Boxes

### BXJ-IIC Series Explosion-proof Terminal Boxes

#### Technical data

#### Explosion-proof terminal boxes (Ex d IIC) BXJ-IIC-□□

<b>Explosion protection</b>															
Gas explosion protection	⊕ II 2 G Ex d IIC T8 Gb														
Dust explosion protection	⊕ II 2 D Ex tb IIIC T80°C Db IP65														
<b>Certificates</b>	Nemko 09 ATEX 1012; IECEx CQM 11.0027; GOST.R (Russia);														
<b>Conformity to standards</b>	EN 60079-0:2009, EN 60079-1:2007, EN 60079-31:2009 IEC 60079-0:2011, IEC 60079-1:2007, IEC 60079-31:2008														
<b>Enclosure material</b>	Copper-free aluminium; powder coated surface														
<b>Enclosure colour</b>	Window grey (RAL7040)														
<b>Terminal</b>	Weldmuller SAK EN series Ex-mark: ⊕ II 2 GD Ex e II														
<b>Exposed fastener</b>	Stainless steel														
<b>Rated voltage</b>	Max. 690V AC														
<b>Rated current</b>	<table border="1"> <tr> <td>Cross section</td> <td>2.5mm<sup>2</sup></td> <td>4mm<sup>2</sup></td> <td>6mm<sup>2</sup></td> <td>10mm<sup>2</sup></td> <td>16mm<sup>2</sup></td> <td>35mm<sup>2</sup></td> </tr> <tr> <td>Rated current</td> <td>24A</td> <td>32A</td> <td>41A</td> <td>57A</td> <td>76A</td> <td>125A</td> </tr> </table>	Cross section	2.5mm <sup>2</sup>	4mm <sup>2</sup>	6mm <sup>2</sup>	10mm <sup>2</sup>	16mm <sup>2</sup>	35mm <sup>2</sup>	Rated current	24A	32A	41A	57A	76A	125A
Cross section	2.5mm <sup>2</sup>	4mm <sup>2</sup>	6mm <sup>2</sup>	10mm <sup>2</sup>	16mm <sup>2</sup>	35mm <sup>2</sup>									
Rated current	24A	32A	41A	57A	76A	125A									
<b>Degree of protection</b>	IP65														
<b>Ambient temperature</b>	-20°C~+55°C														
<b>Note</b>	Rated current > 125A 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
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 P7/20~25.



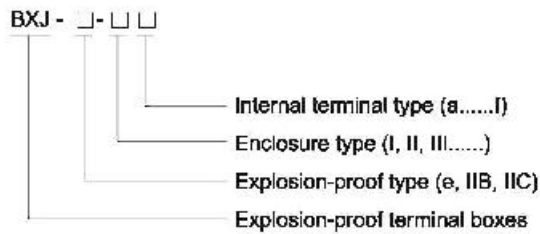
Ex d IIB

### 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).
- ◆ Copper-free aluminium enclosure; powder coated surface.
- ◆ Size and direction of cable entries can be customized on request.

#### ■ Catalogue number logic



Ex d IIC



Ex e

Zones 1&2; 21&22