

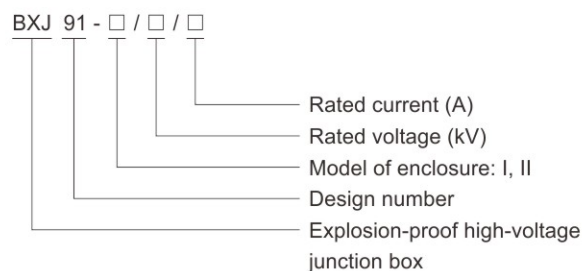
## Terminal Boxes

## BXJ91 Series Explosion-proof High-Voltage Junction 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 2, Groups A, B, C, D
- ◆ Enclosure: stainless steel or carbon steel.
- ◆ Special requirements on request.
- ◆ Copper bars and high-voltage insulators.

### Catalogue number logic



### Technical data

#### Explosion-proof high-voltage junction box BXJ91-□/□/□

##### Explosion protection

|                |                                |
|----------------|--------------------------------|
| Global (IECEx) | IECEx CQM 24.0021X             |
| Gas and dust   | Ex eb IIC T6...T4 Gb           |
|                | Ex ec IIC T6...T4 Gc           |
|                | Ex tb IIIC T80°C Db            |
| Europe (ATEX)  | ExVeritas 24 ATEX 1877X        |
| Gas and dust   | Ex II 2 G Ex eb IIC T6...T4 Gb |
|                | Ex II 3 G Ex ec IIC T6...T4 Gc |
|                | Ex II 2 D Ex tb IIIC T80°C Db  |

##### Certificates

IECEx; ATEX

##### Conformity to standards

EN 60079-0, EN 60079-7, EN 60079-31  
 IEC 60079-0, IEC 60079-7, IEC 60079-31

##### Enclosure material

Stainless steel or carbon steel

##### Exposed fastener

Stainless steel

##### Rated voltage

Max. 11kV AC(eb)  
 Max. 15kV AC(ec)

## Zones 1&2; 21&22

## Terminal Boxes

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| Explosion-proof high-voltage junction box |                                 | BXJ91-□/□/□                   |              |              |
|-------------------------------------------|---------------------------------|-------------------------------|--------------|--------------|
| Rated current                             | Max. 800A                       |                               |              |              |
|                                           | Conductor<br>(mm <sup>2</sup> ) | Safe carrying<br>capacity (A) | Temp. Class  |              |
|                                           |                                 |                               | -60℃≤Ta≤+40℃ | -60℃≤Ta≤+60℃ |
|                                           | 70                              | 200                           | T6           | T5           |
|                                           | 95                              | 250                           |              |              |
|                                           | 120                             | 320                           |              |              |
|                                           | 150                             | 350                           |              |              |
|                                           | 185                             | 400                           |              |              |
|                                           | 240                             | 500                           | T5           | T4           |
|                                           | 300                             | 630                           |              |              |
|                                           | 400                             | 800                           |              |              |
| Internal & external earthing              | M8/M8                           |                               |              |              |
| Degree of protection                      | IP66                            |                               |              |              |
| Ambient temperature                       | -60℃≤Ta≤+40℃/+60℃               |                               |              |              |

Selection table of BXJ91 series explosion-proof high-voltage junction box (all dimensions in mm)

