

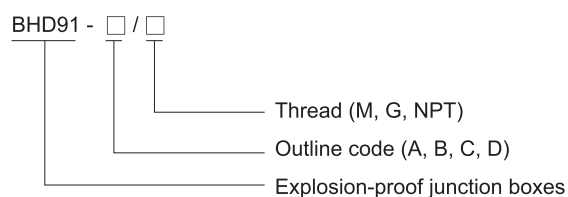
## Junction Boxes

### BHD91 Series Explosion-proof Junction Boxes

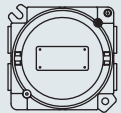
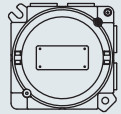
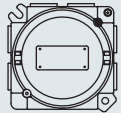
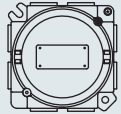


- ◆ Explosion protection to
  - CENELEC
  - IEC
  - NEC
- ◆ Can be used in
  - Zone 1 and Zone 2
  - Zone 21 and Zone 22
  - Class I, Zone 1 and Zone 2
  - Class I, Division 1, Groups A, B, C, D
- ◆ Four types: A, B, C, D
- ◆ Copper-free aluminium enclosure, powder coated surface.

#### ■ Catalogue number logic



#### Selection table

| Type /Ordering code | Schematic diagram  | Top      | Bottom   | Left     | Right    | Weight (kg) |
|---------------------|--|----------|----------|----------|----------|-------------|
| BHD91-A/M20×2.5     | Type A  | -        | -        | 2-M□×1.5 | 2-M□×1.5 | 1.20        |
| BHD91-A/M25×1.5     |  |          |          |          |          |             |
| BHD91-A/M32×1.5     |  |          |          |          |          |             |
| BHD91-B/M20×2.5     | Type B  | 2-M□×1.5 | -        | -        | 2-M□×1.5 | 1.20        |
| BHD91-B/M25×1.5     |  |          |          |          |          |             |
| BHD91-B/M32×1.5     |  |          |          |          |          |             |
| BHD91-C/M20×2.5     | Type C  | 2-M□×1.5 | -        | 2-M□×1.5 | 2-M□×1.5 | 1.20        |
| BHD91-C/M25×1.5     |  |          |          |          |          |             |
| BHD91-C/M32×1.5     |  |          |          |          |          |             |
| BHD91-D/M20×2.5     | Type D  | 2-M□×1.5 | 2-M□×1.5 | 2-M□×1.5 | 2-M□×1.5 | 1.20        |
| BHD91-D/M25×1.5     |  |          |          |          |          |             |
| BHD91-D/M32×1.5     |  |          |          |          |          |             |

## Zones 1&2; 21&22

## Junction Boxes

### BHD91 Series Explosion-proof Junction Boxes

#### Technical data

#### Explosion-proof junction boxes BHD91-□/□

##### Explosion protection

Gas explosion protection

Ex II 2 G Ex db IIC T6 Gb

Dust explosion protection

Ex II 2 D Ex tb IIIC T80°C Db IP66

##### Certificates

ATEX (applied for); IECEx CQM 15.0061X

##### 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, powder coated surface

##### Enclosure colour

Window grey (RAL7040)

##### Exposed fastener

Stainless steel

##### Rated voltage

Max. 500V AC

##### Rated current and Terminal data

| Cross section   | 2.5mm <sup>2</sup> | 4mm <sup>2</sup> | 6mm <sup>2</sup> |
|-----------------|--------------------|------------------|------------------|
| Rated current   | 24A                | 32A              | 41A              |
| Terminal number | 12                 | 10               | 8                |

##### Degree of protection

IP66, IP67 (optional)

##### Ambient temperature

-60°C~+60°C

##### Cable entries

Standard M□ x 1.5 plug

G□ plug or NPT□ plug on request (see Selection table)

##### Cable gland(optional)

DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~27.

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

