

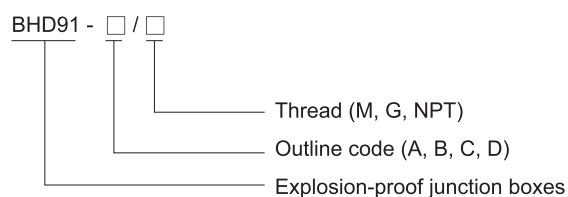
## Junction Boxes

### BHD91 Series Explosion-proof Junction Boxes

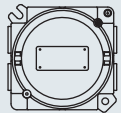
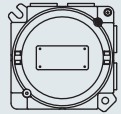
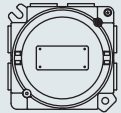
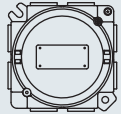


- ◆ Explosion protection to
  - CENELEC
  - IEC
  - NEC
- ◆ Can be used in
  - Zone 1 and Zone 2
  - Zone 21 and Zone 22
  - Class I, Zone 1 and Zone 2
  - Class I, Division 1, Groups A, B, C, D
- ◆ Four types: A, B, C, D
- ◆ Copper-free aluminium enclosure, powder coated surface.

#### ■ 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

