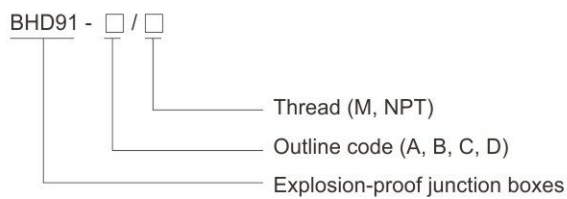


## Junction Boxes BHD91 Series Explosion-proof Junction Boxes



- ◆ 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 Alloy enclosure, powder coated surface.

### ■ Catalogue number logic



### Selection table

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

Global (IECEX)	IECEX CQM 15.0061X
Gas and dust	Ex db IIC T6 Gb Ex tb IIIC T80°C Db IP66
Europe (ATEX)	CNEX 16 ATEX 0006
Gas and dust	⊕ II 2 G Ex db IIC T6 Gb ⊕ II 2 D Ex tb IIIC T80°C Db IP66

#### Certificates

IECEX; ATEX; CU-TR; UL

#### Conformity to standards

EN 60079-0, EN 60079-1, EN 60079-31  
IEC 60079-0, IEC 60079-1, IEC 60079-31  
UL 1203, UL 508, UL 50, UL 50E, UL 508A  
CSA C22.2 No.30, CSA C22.2 No.25, CSA C22.2 No.14  
CSA C22.2 No.94.1, CSA C22.2 No.94.2

#### Enclosure material

Copper-free Aluminium Alloy, 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

#### Internal&external earthing

M4/M5

#### Cable entries

Standard M□ x 1.5 plug

NPT□ plug on request

#### Cable gland(optional)

DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~31.



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

