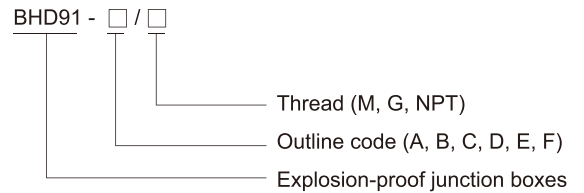


Junction Boxes BHD91 Series Explosion-proof Junction Boxes



- ◆ 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
- ◆ Six types: A, B, C, D, E, F.
- ◆ 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	Type A	2-M25×1.5	2-M25×1.5	2-M25×1.5	2-M25×1.5	1.20
BHD91-B	Type B	1-M32×1.5	1-M32×1.5	1-M32×1.5	1-M32×1.5	1.20
BHD91-C	Type C	1-M32×1.5	1-M32×1.5	1-M32×1.5	2-M25×1.5	1.20
BHD91-D	Type D	1-M32×1.5	1-M32×1.5	2-M25×1.5	2-M25×1.5	1.20
BHD91-E	Type E	2-M25×1.5	1-M32×1.5	2-M25×1.5	1-M32×1.5	1.20
BHD91-F	Type F	2-M25×1.5	1-M32×1.5	2-M25×1.5	2-M25×1.5	1.20

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

⊕ II 2 G Ex d IIC T6 Gb

Dust explosion protection

⊕ II 2 D Ex tb IIIC T80°C Db IP66

Certificates

LCIE 15 ATEX ____; IECEX

Conformity to standards

EN 60079-0:2012, EN 60079-1:2007, EN 60079-31:2009

IEC 60079-0:2011, IEC 60079-1:2007, IEC 60079-31:2008

Enclosure material

Copper-free aluminium, powder coated surface

Enclosure colour

Yellow (RAL1021)

Exposed fastener

Stainless steel

Rated voltage

Max. 500V AC

Rated current and Terminal data

Cross section	2.5mm ²	4mm ²	6mm ²
Rated current	24A	32A	41A
Terminal number	12	10	8

Degree of protection

IP66, IP67 (optional)

Ambient temperature

-60°C~+55°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

