

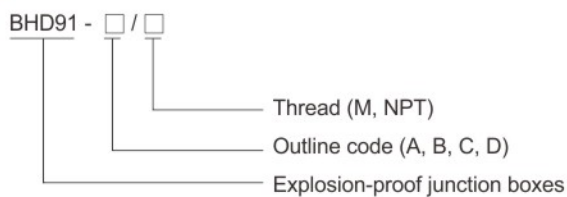
Junction Boxes

BHD91 Series Explosion-proof Junction Boxes

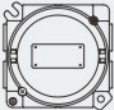


- ◆ Explosion protection to
 - CENELEC
 - IEC
 - NEC
- ◆ Can be used in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
 - Class I, Zone 1 and Zone 2
 - Class I, Division 1, Groups A, B, C, D
- ◆ Four types: A, B, C, D
- ◆ Copper-free Aluminium Alloy enclosure, powder coated surface.

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		-	-	2-M□×1.5	2-M□×1.5	1.20
BHD91-A/M32×1.5		-	-	2-M□×1.5	2-M□×1.5	1.20
BHD91-B/M20×1.5	Type B 	2-M□×1.5	-	-	2-M□×1.5	1.20
BHD91-B/M25×1.5		2-M□×1.5	-	-	2-M□×1.5	1.20
BHD91-B/M32×1.5		2-M□×1.5	-	-	2-M□×1.5	1.20
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		2-M□×1.5	-	2-M□×1.5	2-M□×1.5	1.20
BHD91-C/M32×1.5		2-M□×1.5	-	2-M□×1.5	2-M□×1.5	1.20
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		2-M□×1.5	2-M□×1.5	2-M□×1.5	2-M□×1.5	1.20
BHD91-D/M32×1.5		2-M□×1.5	2-M□×1.5	2-M□×1.5	2-M□×1.5	1.20

Zones 1&2; 21&22

Junction Boxes

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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	Ex II 2 G Ex db IIC T6 Gb
	Ex 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 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~+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 P7/20~27.



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

