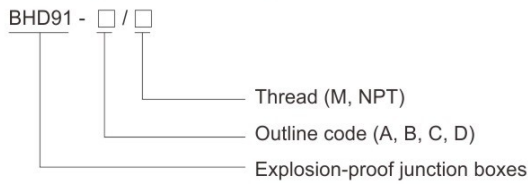


Junction Boxes BHD91 Series Explosion-proof Junction Boxes



- ◆ 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		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 P7/20~31.			



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

