

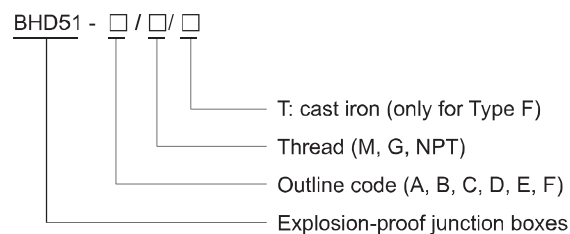
Junction Boxes

BHD51 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.
- ◆ Type A, B, C, D, E in copper-free aluminium only; Type F in copper-free aluminium or cast iron.

■ Catalogue number logic





Selection table

Type/Ordering code	Schematic diagram	Weight (kg)	
BHD51-A/M20 x 1.5	Type A 	0.70	
BHD51-A/M25 x 1.5			
BHD51-B/M20 x 1.5	Type B 	0.70	
BHD51-B/M25 x 1.5			
BHD51-C/M20 x 1.5	Type C 	0.70	
BHD51-C/M25 x 1.5			
BHD51-D/M20 x 1.5	Type D 	0.70	
BHD51-D/M25 x 1.5			
BHD51-E/M20 x 1.5	Type E 	0.70	
BHD51-E/M25 x 1.5			
BHD51-F/M25 x 1.5	Type F 	Copper-free aluminium	0.80
		Cast iron	2.10

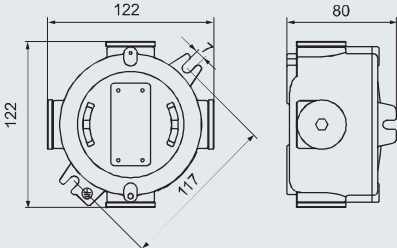
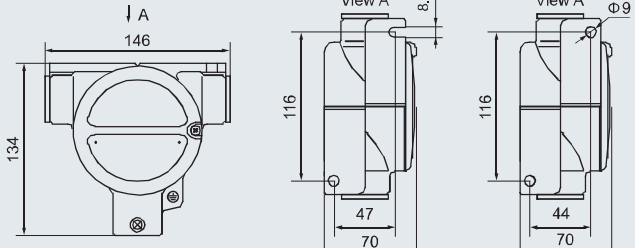
Zones 1&2; 21&22

Junction Boxes
BHD51 Series Explosion-proof Junction Boxes

Technical data	
Explosion-proof junction boxes BHD51-□/□/□	
Explosion protection	<p>Gas explosion protection Ex II 2 G Ex d IIC T6 Gb</p> <p>Dust explosion protection Ex II 2 D Ex t IIIC T80°C Db IP66</p>
Certificates	LCIE 11 ATEX 3005; IECEx CQM 11.0022X; RU C-CN.ГБ05.В.00345(CU-TR)
Conformity to standards	EN 60079-0:2009, EN 60079-1:2007, EN 60079-31:2009 IEC 60079-0:2007, IEC 60079-1:2007, IEC 60079-31:2008
Enclosure material	Copper-free aluminium or cast iron, powder coated surface
Enclosure colour	Yellow (RAL1021)
Exposed fastener	Stainless steel
Rated current	20A
Rated voltage	Max. 500V AC
Terminal data	
Number	6 terminals (Type A-E), 4 terminals (Type F)
Cross section of cable	0.2~2.5mm ²
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.
Main application	Type A-E are used for wiring or branching; Type F is used as accessory for pendant pole type or ceiling type light fittings.

Terminals					
Description	Illustration	Number	Ordering code	Weight (kg)	Note
Terminal		6	30008	0.10	For Type A, B, C, D, E
Terminal block		4	30009	0.05	For Type F



Dimension drawings (all dimensions in mm) - subject to alteration			
 <p>Type A, B, C, D, E</p>	 <p>Copper-free aluminium</p> <p>Cast iron</p> <p>Type F</p>		
<p>Application instruction:</p> <p>1. Type F (copper-free aluminium) is used as mounting accessory for light fittings BAD61-125, BAD81, BAD, BDD81, BAD85 etc.</p> <p>2. Type F (cast iron) is used as mounting accessory for light fittings BAD61-250, BAD61-400, etc.</p>			