

BHD51(CHD51)

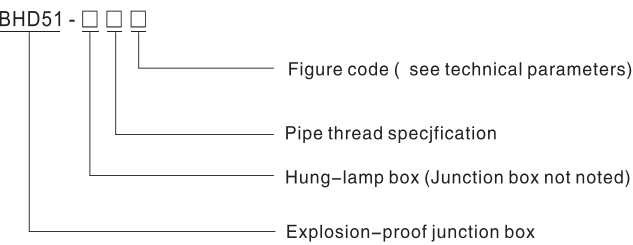
Type explosion-proof junction box (e, II B, II C)



Application

- Can be used in hazardous areas: Zone 1 and Zone 2
- Can be used in explosive gas atmospheres of Category IIA 、 IIB and II C where the temperature classification is T1 ~ T6.

Model implication



Main technical parameters











- Implementing the standard : GB 3836.1、 GB 3836.2、 IEC60079
- Rated voltage: AC 380V/220V
- Rated current: 20A
- Explosion-proof class: WF1

Type	Ex-mark	Protection grade	Thread specification
Flame-proof, junction box (II B)	Exd II BT6	IP54	G1/2 " 、 G3/4 " G1 " 、 G1 1 / 4 " G1 1/2 " 、 G2 "
Flame-proof, junction box (II C)	Exd II CT6 Gb	IP65	
Flame-proof, junction box	Exe II T6	IP65	
Hung-lamp box (BHd51-d)	Exd II BT6	IP54	G3/4"

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Junction box code, outline and descriptions as the following table.

Code	Outline	Description
A		1 entry in horizon
B		2 direct entries in horizon
C		3 entries in horizon
D		4 entries in horizon
E		2 perpendicular entries in horizon
F		1 entry in horizon
G		2 direct entries in horizon
H		3 entries in horizon
I		4 entries in horizon
J		2 perpendicular entries in horizon

- Note: 1. “○” horizontal cover, “◎” hung cover.
2. Generally the diameter of entry is equal to that of hung cover hole. Special requirement can be available.
3. The entry is often made as pipe thread G1/2", G3/4", G1", also special requirement can be made.

For Example:

- 1.BHD51-G1/2"-G means: BHD51 explosion-proof junction box, pipe thread G1/2", 2 direct entries with horizontal cover.
2. BHD51-d means: BHD51 explosion-proof junction box, pipe thread G3/4", 2 perpendicular entries with hung cover.

Features

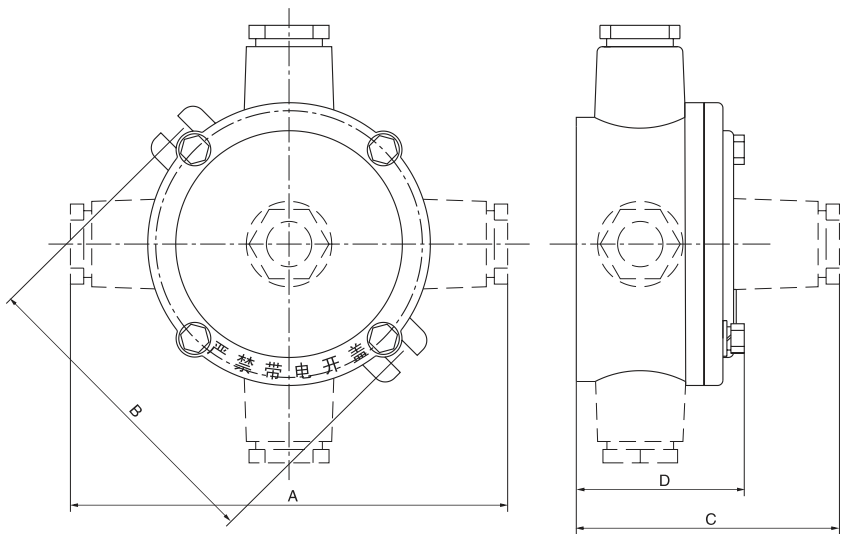
- The housing is die cast in aluminum alloy, with high voltage static plastic-sprayed surface.
- Inlet or outlet has many kinds of modes and specifications.
- Thread specification can be specially designed, and can designed metric thread and thread NPT etc.
- Conduit wiring or cable wiring.

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Outline and mounting example

II B Group, safety-inc reased junction box outline sketch map



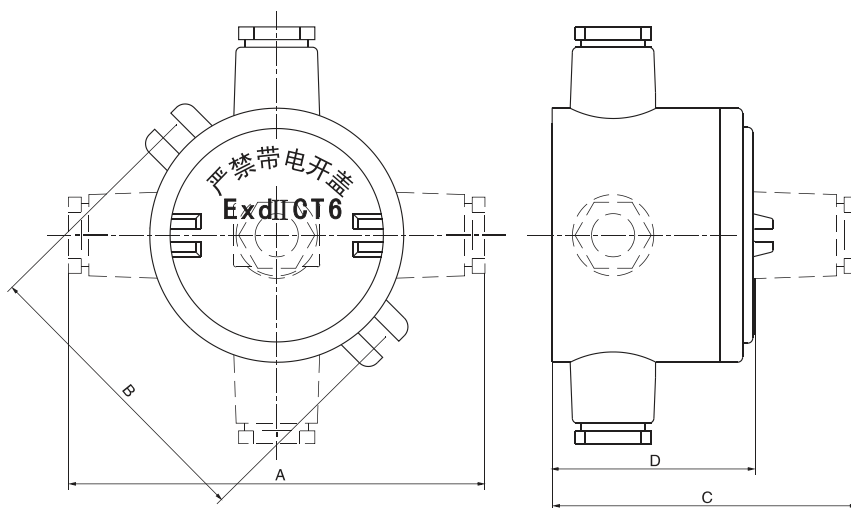
Cable's outer diameter	Pipe thread	A	B	C	D
6~10	1 / 2"	166	108	104	68
9~14	3 / 4"	168	108	105	68
11~18	1"	170	108	-	68
14~25	1 1 / 4"	180	116	-	94
17~28	1 1 / 2"	180	116	-	94
25~38	2"	220	135	-	115

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Outline and mounting example

II C Group junction box outline sketch map



Cable's outer diameter	Pipe thread	A	B	C	D
6~10	1 / 2"	175	114	110	85
9~14	3 / 4"	175	114	110	85
11~18	1"	175	114	—	85
14~25	1 1 / 4"	180	116	—	94
17~28	1 1 / 2"	180	116	—	94
25~38	2"	220	135	—	115