

BXJ5310series

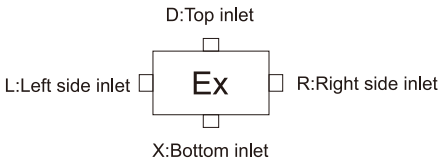
Explosion proof junction box

Catalogue number logic

BXJ 5310 □/□ D □(□) L □(□) X □(□) R □(□)

- Number of inlets (threads)
- Right side inlet
- Number of inlets (threads)
- Bottom inlet
- Number of inlets (threads)
- Left side inlet
- Number of inlets (threads)
- Top inlet
- Number of terminals
- Terminal rated current
- Design serial number
- Explosion-proof junction box type

Inlet wiring diagram



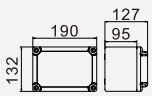
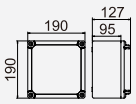
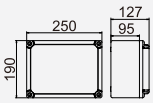
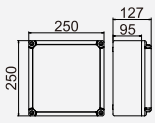
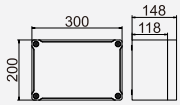
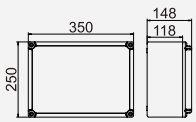
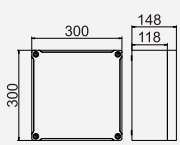
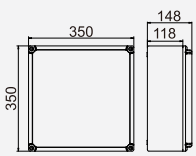
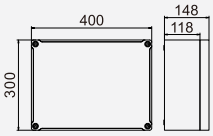
Scope of application

- Widely used in flammable and explosive gas environments such as oil extraction, refining, chemical industry, offshore oil platform tankers, etc., and also used in military industry, metal processing and other combustible dust places as lighting, power and control lines, instrumentation lines connection;
- Applicable to explosive gas environment 0, 1, 2 areas;
- Applicable to combustible dust environment 21, 22 areas;
- Applicable to IIA, II B, II C explosive gas environment;
- Applicable to combustible dust categories: IIIA, IIIB, IIIC;
- Applicable to temperature groups T1~T6.

Product Features

- The shell is made of aluminum alloy die-casting, and the surface is sprayed with high-voltage electrostatic plastic;
- The curved sealing structure is adopted, and the sealing ring is made of high-temperature resistant and anti-aging silicone rubber, which has strong waterproof and dustproof performance;
- The terminal adopts internationally renowned brand terminals, which are convenient for wiring, firm and reliable, and there are various specifications for the current size for users to choose;
- The direction of the inlet is diverse, and the inlet can be selected arbitrarily according to user requirements, or it can be directly equipped with DQM series explosion-proof cable clamping and sealing joints according to user requirements (Note: users must indicate when ordering);
- The inlet of the junction box is configured with a clamping nut with a pressure plate device by default, which double locks the cable; please indicate if the user has special requirements;
- The specifications of the inlet of the junction box are generally British pipe threads, and metric threads or NPT threads can also be processed according to user requirements, but it must be indicated when ordering;
- Stainless steel exposed fasteners, anti-slip structure, easy to install and repair;
- The intrinsically safe junction box can be used for intrinsically safe lines such as explosion-proof instruments, explosion-proof communication systems, and explosion-proof monitoring systems for signal transmission. The internal terminals use internationally renowned brand blue intrinsically safe explosion-proof terminals.

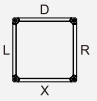
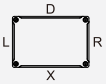
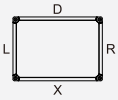
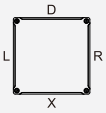
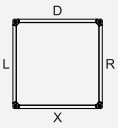
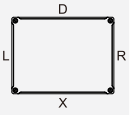
Selection table

Enclosure code ordering code	Outline	Max.number of fitted terminals					
		Intrinsically safe terminal 2.5mm2	2.5mm²	4mm²	6mm²	10mm²	16mm²
I		18	18	16	/	/	/
II		18	18	16	14	/	/
III		30	30	28	22	18	/
IV		50	50	40	30	18	15
V		36	36	30	26	20	16
VI		90	90	72	56	50	36
VII		72	72	60	50	36	30
VIII		90	90	72	56	50	36
IX		100	100	84	74	56	44



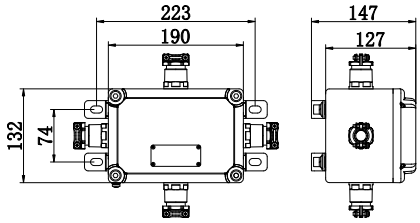
Standard:	GB/T 3836.1、GB/T 3836.3、GB/T 3836.4、GB/T 3836.31、IEC 60079-0、IEC 60079-7、IEC 60079-11、IEC 60079-31、EN 60079-0、EN 60079-7、EN 60079-11、EN 60079-31			
Ex marking:	Ex eb ⅡC T6 Gb	Ex eb ⅡC T5 Gb	Ex eb ⅡC T4 Gb	Ex ia ⅡC T6 Gb
	Ex tb ⅢC T80℃/T95℃ Db			Ex tb ⅢC T80℃ Db
Rated voltage: ≤690V				DC 36V
Rated current: ≤630A				≤5A
Degree of protection: IP66				IP66
Ambient temperature: -40℃～+40℃/+45℃/+55℃/+60℃/+70℃				
Terminal: International brand of terminal blocks				Internationallybrand blue explosion-proof terminal 2.5mm2

Cable entry table(e.ia.IIC)

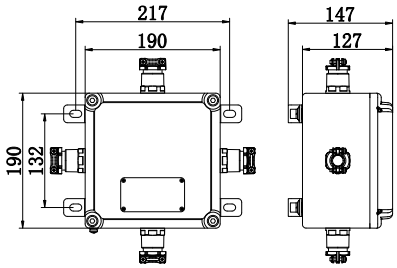
Enclosure code	I		II		III		IV		V		VI		VII		VIII		IX	
Appearance diagram																		
Size	D/X	L/R	D/X	L/R	D/X	L/R	D/X	L/R	D/X	L/R	D/X	L/R	D/X	L/R	D/X	L/R	D/X	L/R
G3/8"	6	4	6	6	10	6	10	10	18	9	21	10	18	18	21	21	27	18
G1/2"	6	2	6	6	8	6	8	8	12	6	13	8	12	12	13	13	17	12
G3/4"	3	1	3	3	5	3	5	5	10	6	12	5	10	10	12	12	14	10
G1"	2	1	2	2	3	2	3	3	6	3	7	3	6	6	7	7	9	6
G1 1/4"	1	1	1	1	2	1	2	2	3	2	4	2	3	3	4	4	5	3
G1 1/2"	1	/	1	1	2	1	2	2	2	1	3	2	2	2	3	3	4	2
G2"	/	/	/	/	/	/	/	/	2	1	2	/	2	2	2	2	3	2

Note: The number of through-plugs listed in this table is the maximum number of through-plugs of this specification that can be installed on one side of the housing. The actual number is subject to user requirements.

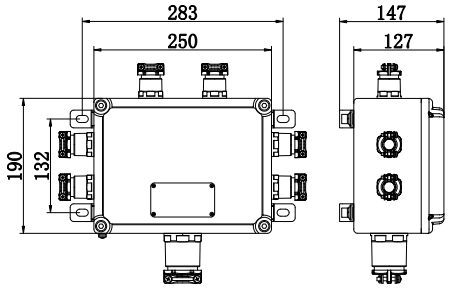
Dimension drawings (e、ia、IIIC)



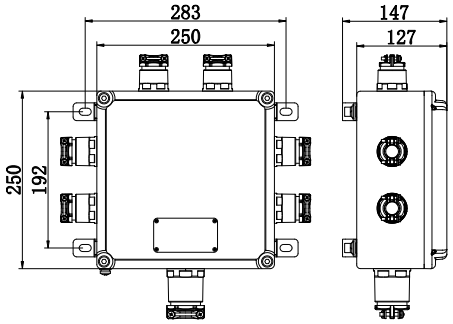
I Type



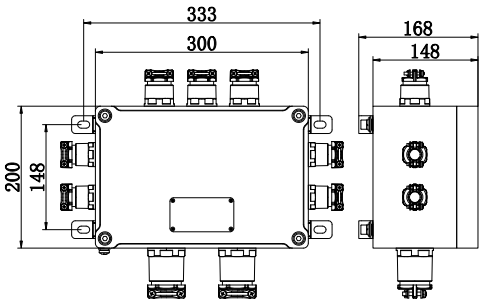
II Type



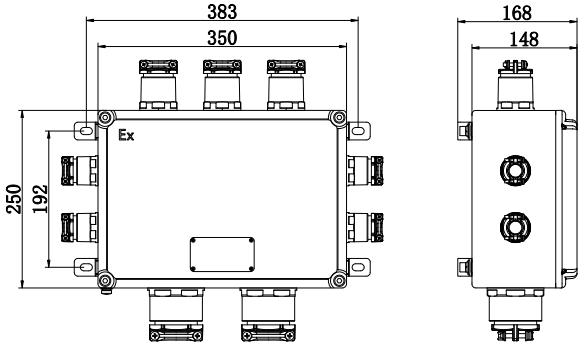
IIIType



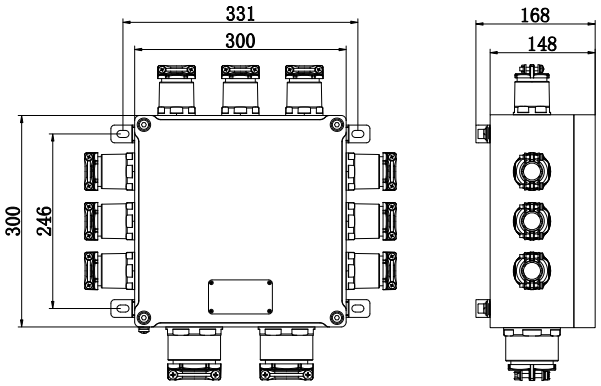
IVType



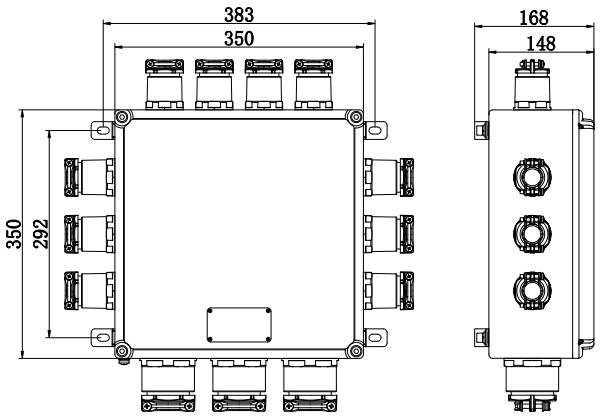
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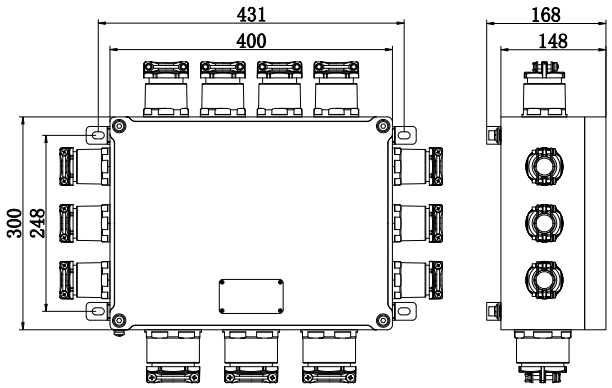
VI Type



Ⅶ Type



Ⅷ Type



Ⅸ Type