

BXJ8310Series

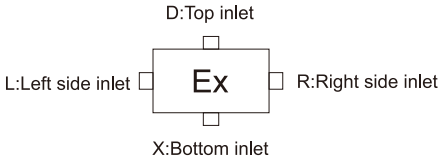
Terminal box

Catalogue number logic

BXJ 8310 □/□ 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



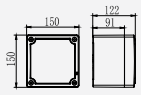
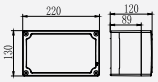
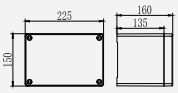
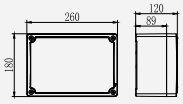
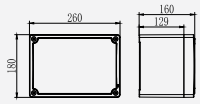
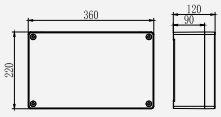
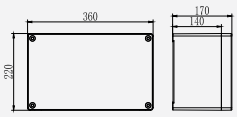
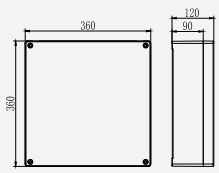
Scope of application

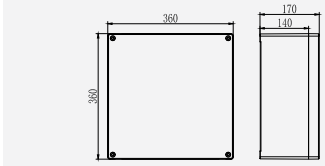
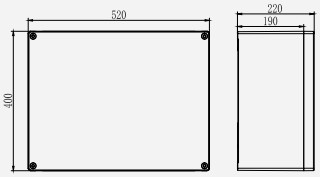
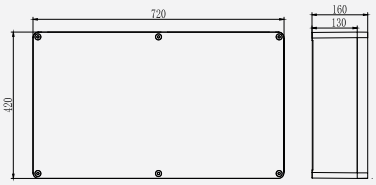
- Widely used in flammable and explosive gas environments such as oil extraction, oil refining, chemical industry, offshore oil platform tankers, etc., and also used in military industry, metal processing and other combustible dust places as the connection of lighting, power and control lines, instrumentation lines;
- 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 molded with unsaturated polyester resin, which has the properties of anti-static, corrosion resistance, impact resistance, good thermal stability, and beautiful appearance;
- The joint between the shell and the shell cover adopts a labyrinth seal structure, and the sealing ring adopts high temperature resistant and anti-aging silicone rubber, which has strong waterproof and dustproof properties;
- The shell has various specifications, and a single shell or a combination of single shells can be selected according to the current, the number of terminals and the number of outlets to meet the needs;
- The terminals adopt internationally renowned brand terminals, which are convenient for wiring, firm and reliable, and there are various specifications for users to choose from in terms of current size;
- The direction of the inlet is diverse, and the inlet can be arbitrarily selected according to user requirements. According to user requirements, the DQM series explosion-proof cable clamping and sealing joints can be directly equipped (Note: users must specify when ordering);
- Stainless steel exposed fasteners, anti-drop structure, easy to install and repair;
- Intrinsically safe junction boxes can be used for intrinsically safe lines such as explosion-proof instruments, explosion-proof communication systems, explosion-proof monitoring systems, etc. for signal transmission. The internal terminals adopt internationally renowned brand blue intrinsically safe explosion-proof terminals.

Selection table

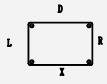
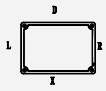
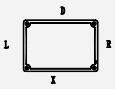
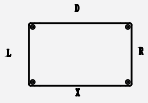
Enclosure code ordering code	Outline	Max.number of fitted terminals					
		Intrinsically safe terminal 2.5mm2	2.5mm²	4mm²	6mm²	10mm²	16mm²
I		12	12	10	8	6	/
II		28	28	22	16	14	/
III		28	28	22	16	14	/
IV		35	35	28	20	16	14
V		35	35	28	20	16	14
VI		50	50	40	30	25	20
VII		50	50	40	30	25	20
VIII		100	100	80	60	50	40

IX		100	100	80	60	50	40
X		160	160	130	100	80	70
XI		240	240	200	150	120	100

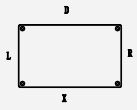
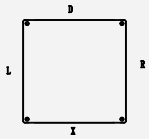
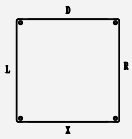
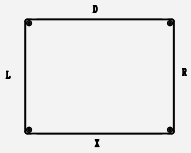
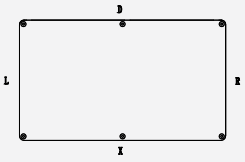


Standard:	GB/T 3836.1、GB/T 3836.3、GB/T 3836.4、GB/T 3836.31、IEC 60079-0、IEC 60079-7、IEC 60079-11、IEC 60079-31、EN 60079-0、EN 60079-7、EN 60079-11、EN 60079-31			
Ex marking:	Ex eb ⅡC T6 Gb	Ex eb ⅡC T5 Gb	Ex eb ⅡC T4 Gb	Ex ia ⅡC T4 Gb
	Ex tb ⅢC T80℃/T95℃ Db			Ex tb ⅢC T80℃ Db
Rated voltage:	≤690V			DC 36V
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、IIIC)

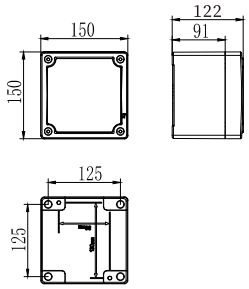
Enclosure code	I		II		III		IV		V		VI	
Appearance diagram												
Size	D/X	L/R	D/X	L/R	D/X	L/R	D/X	L/R	D/X	L/R	D/X	L/R
G3/8"	4	4	8	5	12	9	9	7	14	10	15	9
G1/2"	4	2	6	4	9	6	8	6	12	9	12	8
G3/4"	2	1	4	2	4	4	5	3	7	4	9	5
G1"	1	1	2	1	4	2	3	2	6	4	7	4
G1 1/4"	/	/	2	1	4	2	2	2	2	2	4	2
G1 1/2"	/	/	/	/	/	/	2	1	2	1	3	2
G2"	/	/	/	/	/	/	/	/	/	/	3	1

Cable entry table (e、ia、IIIC)

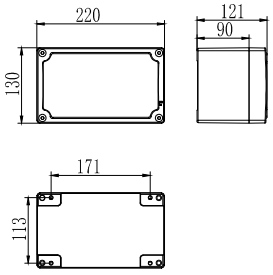
Enclosure code	VII		VIII		IX		X		XI	
Appearance diagram										
Size	D/X	L/R	D/X	L/R	D/X	L/R	D/X	L/R	D/X	L/R
G3/8"	23	14	15	17	23	26	60	45	45	30
G1/2"	18	12	12	14	18	21	41	33	39	27
G3/4"	14	8	9	11	14	17	35	27	29	20
G1"	11	6	7	7	11	11	22	18	19	12
G1 1/4"	8	4	4	4	8	8	12	11	9	6
G1 1/2"	5	3	3	3	5	5	10	8	7	5
G2"	3	1	3	3	3	3	7	6	5	3
G2 1/2"	/	/	/	/	/	/	3	2	4	3
G3"	/	/	/	/	/	/	2	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.

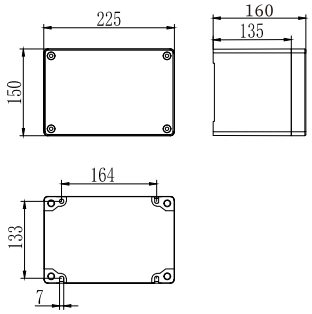
Dimension drawings (e、ia、IIIC)



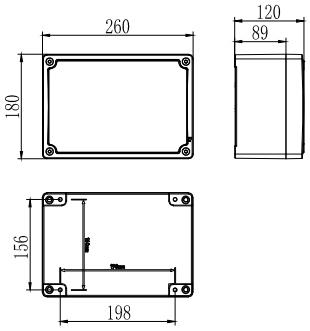
BXJ8310- I



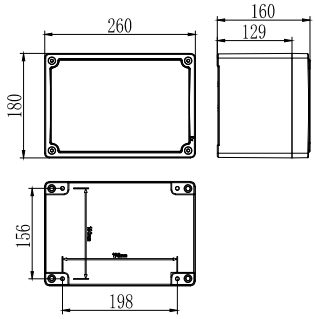
BXJ8310- II



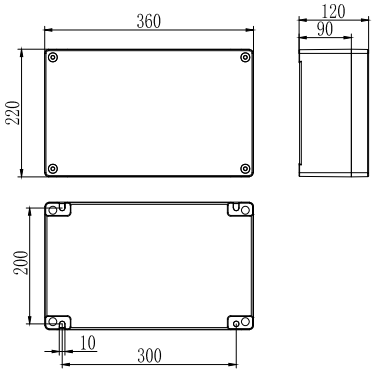
BXJ8310-III



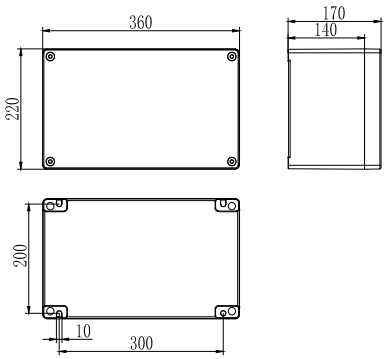
BXJ8310-IV



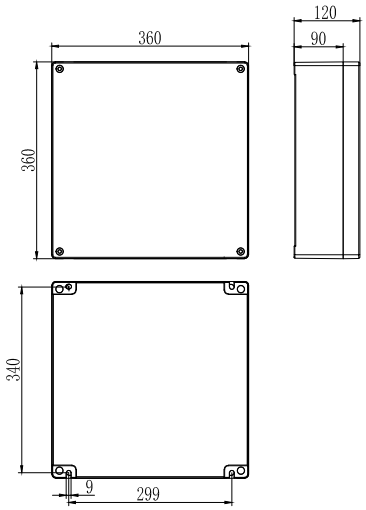
BXJ8310-V



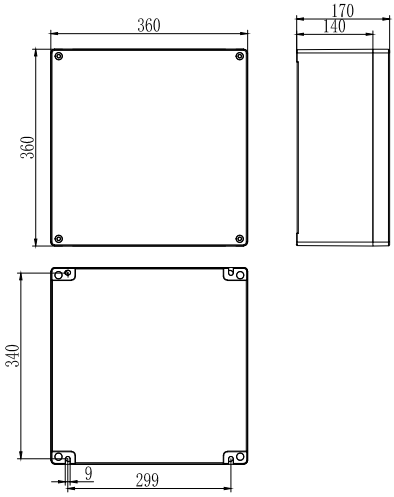
BXJ8310-VI



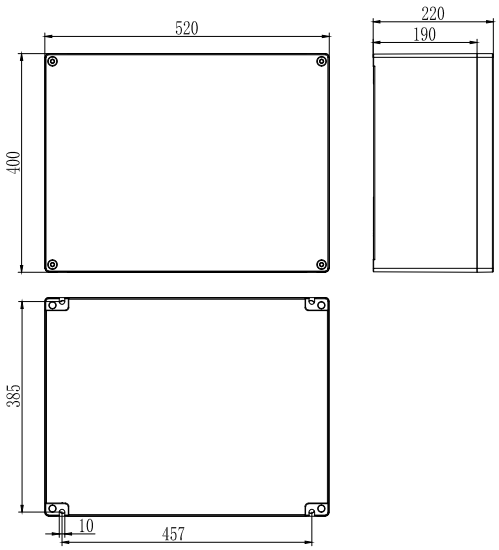
BXJ8310-Ⅶ



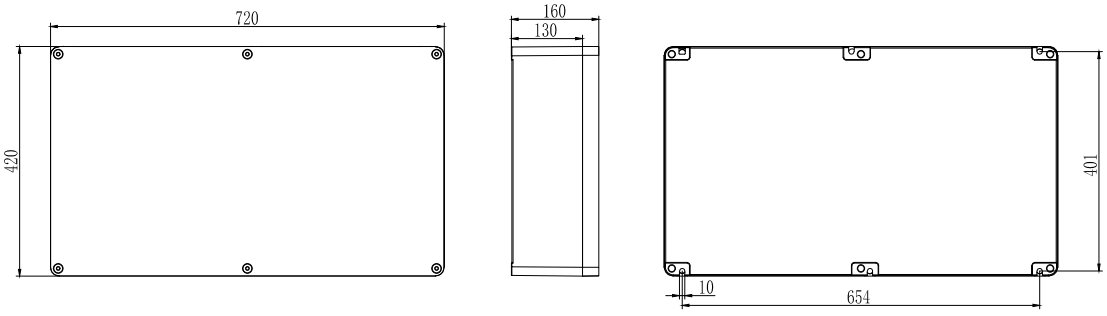
BXJ8310-Ⅷ



BXJ8310-Ⅸ



BXJ8310-Ⅹ



BXJ8310-Ⅺ