

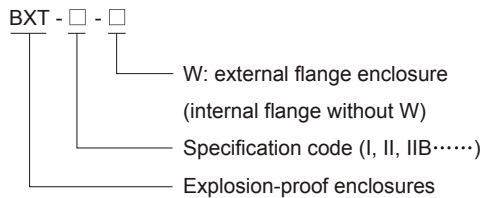


Empty Enclosures

BXT Series Explosion-proof Enclosures (Ex d IIB)

- ◆ Explosion protection to
 - CENELEC
 - IEC
- ◆ Can be used in
 - Zone 1 and Zone 2
 - Zone 21 and Zone 22
- ◆ Flameproof enclosure (Ex d IIB) in aluminium; 13 types (external flange) and 12 types (internal flange).
- ◆ Cable entries can be drilled and components can be installed by user on request.
- ◆ Safety shall be considered when installing components according to related electrical standards.
- ◆ Special requirements on request.

Catalogue number logic



Zones 1&2; 21&22

Technical data

Explosion-proof enclosures

BXT-□-W

Explosion protection

Gas explosion protection

Ex II 2 G Ex d IIB Gb

Dust explosion protection

Ex II 1 D Ex t IIIB Da IP66

Certificates

LCIE 11 ATEX 3012U; POCC CN.Г.Б.05.B03637(Russia)

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

Degree of protection

IP66

Ambient temperature

-60°C~+100°C

Enclosure material

Copper-free aluminium; powder coated external surface, window grey (RAL7040)

Exposed fastener

Stainless steel

Mounting feet

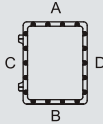
Carbon steel

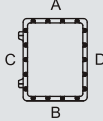
Hinge

Integral hinges

Cable entry table

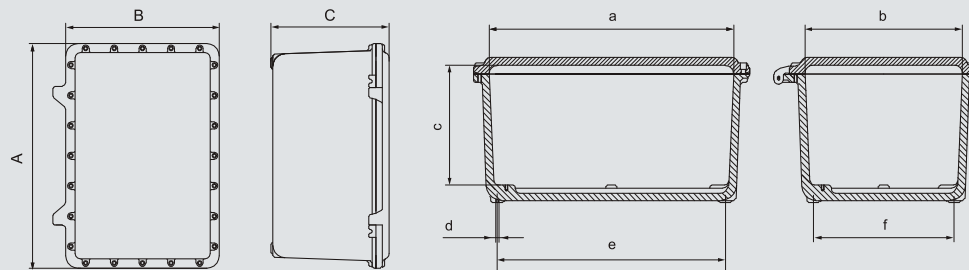
Table of max. number of possible enclosure entries

	I		II		IIB		III		IIIB		IV		IVB	
														
Size	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D
M20 x 1.5	5	8	5	10	5	12	10	12	16	20	12	16	22	30
M25 x 1.5	5	7	5	9	5	10	9	11	12	15	11	14	15	20
M32 x 1.5	2	3	2	4	2	6	7	9	9	12	9	12	12	16
M40 x 1.5	2	2	2	3	2	4	3	4	5	6	4	5	6	9
M50 x 1.5	1	2	1	3	1	3	3	3	4	5	3	4	5	7
M63 x 1.5	1	2	1	2	1	3	2	3	2	3	3	3	3	5

	V		VB		VI		VIB		VII		VIIB	
												
Size	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D
M20 x 1.5	14	21	24	40	19	33	30	50	28	41	45	65
M25 x 1.5	12	19	18	27	16	28	20	36	25	35	30	44
M32 x 1.5	10	15	14	21	13	22	18	30	21	29	25	36
M40 x 1.5	4	7	8	12	7	13	11	18	11	16	15	21
M50 x 1.5	4	5	5	9	6	11	6	10	10	13	12	12
M63 x 1.5	3	5	4	7	3	5	5	9	4	6	7	10

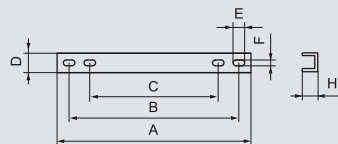


Selection table of BXT-□-W series explosion-proof enclosures (all dimensions in mm)



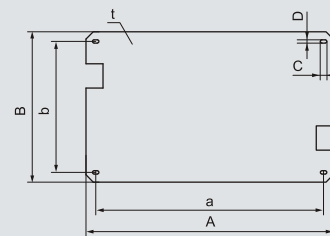
Enclosure

Type	Dimensions									Weight (kg)
	A	a	B	b	C	c	e	f	d	
BXT-I-W	250	192	200	142	170	120	180	130	M8	6.70
BXT-II-W	300	242	200	142	170	120	230	130	M8	8.00
BXT-IIB-W	350	292	200	142	170	120	280	130	M8	9.50
BXT-III-W	350	292	300	242	200	150	280	230	M10	14.50
BXT-IIIB-W	350	292	300	242	270	220	280	230	M10	17.50
BXT-IV-W	450	378	350	278	210	150	365	265	M10	23.00
BXT-IVB-W	450	378	350	278	280	220	365	265	M10	27.50
BXT-V-W	560	488	400	328	210	150	475	315	M10	34.50
BXT-VB-W	560	488	400	328	280	220	475	315	M10	39.50
BXT-VI-W	634	560	434	360	265	205	522	322	M10	46.00
BXT-VIB-W	634	560	434	360	335	275	522	322	M10	52.00
BXT-VII-W	720	640	560	480	275	205	620	460	M12	74.50
BXT-VIIB-W	720	640	560	480	345	275	620	460	M12	83.00



Mounting feet

Type	Dimensions						
	A	B	C	D	E	F	H
BXT-I-W	240	200	130	30	16	10	20
BXT-II-W	240	200	130	30	16	10	20
BXT-IIB-W	240	200	130	30	16	10	20
BXT-III-W	340	300	230	40	24	12	20
BXT-IIIB-W	340	300	230	40	24	12	20
BXT-IV-W	400	350	265	40	24	12	20
BXT-IVB-W	400	350	265	40	24	12	20
BXT-V-W	450	400	315	40	26	14	20
BXT-VB-W	450	400	315	40	26	14	20
BXT-VI-W	480	430	320	40	26	14	20
BXT-VIB-W	480	430	320	40	26	14	20
BXT-VII-W	620	560	460	50	26	14	20
BXT-VIIB-W	620	560	460	50	26	14	20



Mounting plate

Type	Dimensions						
	A	a	B	b	C	D	t
BXT-I-W	170	120	120	70	14	7	2
BXT-II-W	220	170	120	70	14	7	2
BXT-IIB-W	270	220	120	70	14	7	2
BXT-III-W	270	220	220	170	14	7	2
BXT-IIIB-W	270	220	220	170	14	7	2
BXT-IV-W	350	300	250	200	14	7	2
BXT-IVB-W	350	300	250	200	14	7	2
BXT-V-W	450	390	290	230	14	7	2
BXT-VB-W	450	390	290	230	14	7	2
BXT-VI-W	530	470	330	270	14	7	2
BXT-VIB-W	530	470	330	270	14	7	2
BXT-VII-W	600	550	440	390	14	7	2
BXT-VIIB-W	600	550	440	390	14	7	2

Technical data

Explosion-proof enclosures

BXT-□

Explosion protection

Gas explosion protection

Ex II 2 G Ex d IIB

Dust explosion protection

Ex tD A21 IP66

Certificates

For gas explosion protection

LCIE 08 ATEX 0004U; IECEX CQM 08.0016U

For dust explosion protection

PCEC (China)

Conformity to standards

EN 60079-0:2004, EN 60079-1:2004

IEC 60079-0:2004, IEC 60079-1:2003, IEC 61241-0:2004, IEC 61241-1:2004

Degree of protection

IP66

Enclosure material

Copper-free aluminium; powder coated external surface, window grey (RAL7040)

Exposed fastener

Stainless steel

Mounting feet

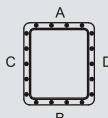
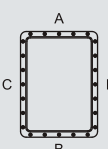
Carbon steel

Hinge

Stainless steel hinges

Cable entry table

Table of max. number of possible enclosure entries

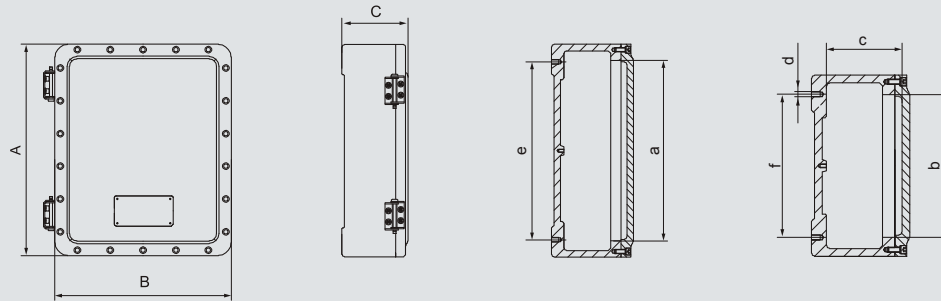
	I		II		III		IIIB		IV		IVB	
												
Size	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D
M20 x 1.5	7	11	11	13	13	16	26	32	13	18	26	36
M25 x 1.5	6	10	10	11	11	14	22	28	11	16	22	32
M32 x 1.5	3	7	7	9	9	11	14	18	9	14	14	21
M40 x 1.5	2	3	3	4	4	5	11	14	4	6	11	15
M50 x 1.5	2	3	3	4	4	4	7	8	4	5	7	9
M63 x 1.5	1	2	2	3	3	4	5	7	3	4	5	7
	V		VB		VI		VIB		VII		VIIB	
												
Size	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D
M20 x 1.5	26	29	39	43	29	30	43	44	29	36	43	53
M25 x 1.5	17	19	34	38	19	20	38	40	19	24	38	48
M32 x 1.5	14	16	14	24	16	16	24	24	16	20	24	27
M40 x 1.5	12	13	12	20	12	13	20	21	13	16	20	26
M50 x 1.5	5	6	10	11	6	6	11	11	6	7	11	14
M63 x 1.5	4	5	8	9	4	5	9	9	5	6	9	11



Empty Enclosures

BXT Series Explosion-proof Enclosures (Ex d IIB)

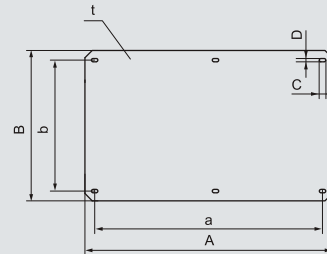
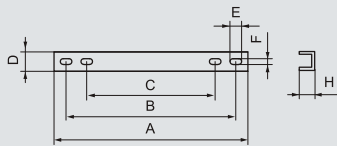
Selection table of BXT-□ series explosion-proof enclosures (all dimensions in mm)



Enclosure

Type	Dimensions									Weight (kg)
	A	a	B	b	C	c	e	f	d	
BXT-I	300	235	200	135	165	115	260	160	M8	10.50
BXT-II	350	285	300	235	165	115	290	240	M8	15.25
BXT-III	420	355	350	285	165	115	360	300	M8	21.20
BXT-IIIB	420	355	350	285	265	215	360	300	M8	23.80
BXT-IV	480	415	350	285	165	115	425	300	M10	22.75
BXT-IVB	480	415	350	285	265	215	425	300	M10	26.25
BXT-V	550	480	500	430	195	140	490	450	M10	40.20
BXT-VB	550	480	500	430	295	240	490	450	M10	45.60
BXT-VI	560	480	550	490	195	140	505	500	M10	43.50
BXT-VIB	560	480	550	490	295	240	505	500	M10	49.00
BXT-VII	670	600	550	480	195	140	615	500	M12	49.50
BXT-VIIB	670	600	550	480	295	240	615	500	M12	55.70

Selection table of BXT-□ series explosion-proof enclosures (all dimensions in mm)



Mounting feet

Type	Dimensions						
	A	B	C	D	E	F	H
BXT-I	280	250	160	30	16	10	20
BXT-II	390	350	240	30	16	10	20
BXT-III	450	400	300	30	16	10	20
BXT-IIIB	450	400	300	30	16	10	20
BXT-IV	450	400	300	40	24	12	20
BXT-IVB	450	400	300	40	24	12	20
BXT-V	600	550	450	40	24	12	20
BXT-VB	600	550	450	40	24	12	20
BXT-VI	650	600	500	40	24	12	20
BXT-VIB	650	600	500	40	24	12	20
BXT-VII	650	600	500	50	24	12	20
BXT-VIIB	650	600	500	50	24	12	20

Mounting plate

Type	Dimensions						
	A	a	B	b	C	D	t
BXT-I	226	196	126	96	14	7	2
BXT-II	276	246	226	196	14	7	2
BXT-III	346	316	276	246	16	8	2
BXT-IIIB	346	316	276	246	16	8	2
BXT-IV	406	376	276	246	16	8	2
BXT-IVB	406	376	276	246	16	8	2
BXT-V	474	444	424	394	16	8	2
BXT-VB	474	444	424	394	16	8	2
BXT-VI	484	454	474	444	16	8	2
BXT-VIB	484	454	474	444	16	8	2
BXT-VII	594	564	474	444	16	8	2
BXT-VIIB	594	564	474	444	16	8	2

