

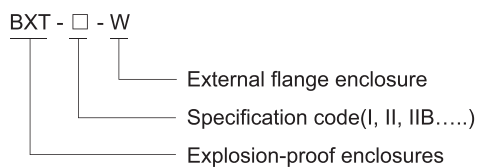
Empty Enclosures

BXT-□-W Series Explosion-proof Enclosures (Ex d IIB)



- ◆ 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 C, D
- ◆ Flameproof enclosure (Ex d IIB) in aluminium alloy, formed of low pressure casting. 17 versions (external 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

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BXT-□-W Series Explosion-proof Enclosures (Ex d IIB)

Technical data

Explosion-proof enclosures

BXT-□-W

Explosion protection

Gas explosion protection

Ex II 2 G Ex d IIB Gb

Ex d IIB Gb

Dust explosion protection

Ex II 1 D Ex t IIIB Da IP66

Ex tb IIIC Db IP66

Certificates

LCIE 11 ATEX 3012U

IECEX CQM 14.0011U

Conformity to standards

RU C-CN.ГБ05.B.00345(CU-TR)

EN 60079-0:2009, EN 60079-1:2007, EN 60079-31:2009

IEC 60079-0:2011, IEC 60079-1:2007, IEC 60079-31:2008

Degree of protection

IP66, IP67 (optional)

Ambient temperature

-60°C~+100°C

Enclosure material

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

Exposed fastener

Stainless steel

Mounting feet

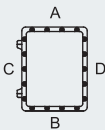
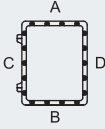
Carbon steel, power coated surface

Hinge

Integral hinge

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

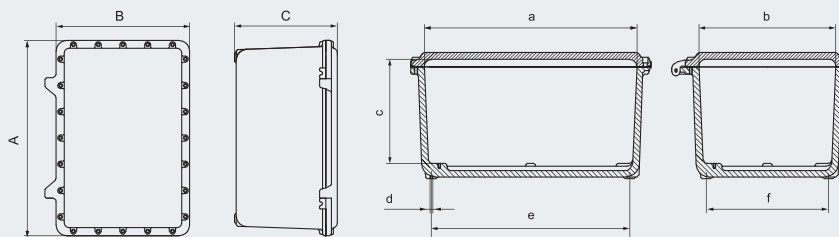
Table of max. number of possible enclosure entries

	I		II		IIB		III		IIIB		IV		IVB		V		VB	
																		
	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	A/B	C/D	A/B
M20 x 1.5	5	8	5	10	5	12	10	12	16	20	12	16	22	30	14	21	24	40
M25 x 1.5	5	7	5	9	5	10	9	11	12	15	11	14	15	20	12	19	18	27
M32 x 1.5	2	3	2	4	2	6	7	9	9	12	9	12	12	16	10	15	14	21
M40 x 1.5	2	2	2	3	2	4	3	4	5	6	4	5	6	9	4	7	8	12
M50 x 1.5	1	2	1	3	1	3	3	3	4	5	3	4	5	7	4	5	5	9
M63 x 1.5	1	2	1	2	1	3	2	3	2	3	3	3	3	5	3	5	4	7
	VI		VIB		VII		VIIB		VIII		VIII B		IX		IXB			
																		
	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	A/B	C/D	A/B
M20 x 1.5	20	35	30	50	30	40	45	65	70	95	98	133	95	130	171	234		
M25 x 1.5	18	30	20	36	26	36	30	44	44	64	66	96	64	84	112	147		
M32 x 1.5	15	26	18	30	20	30	25	36	27	36	36	48	36	51	60	85		
M40 x 1.5	8	13	11	18	10	16	15	21	14	20	21	30	30	42	40	56		
M50 x 1.5	6	11	6	10	8	12	12	12	12	16	18	24	16	22	24	33		
M63 x 1.5	3	5	5	9	4	6	7	10	10	16	15	24	16	20	24	30		

Empty Enclosures

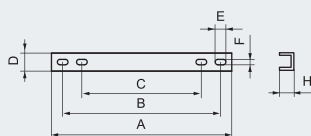
BXT-□-W Series Explosion-proof Enclosures (Ex d IIB)

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

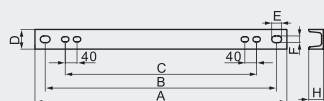


Enclosure

Version	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	230	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	200	620	460	M12	74.50
BXT-VIIB-W	720	640	560	480	345	270	620	460	M12	83.00
BXT-VIII-W	980	880	720	620	325	240	820	560	M12	158.00
BXT-VIIIB-W	980	880	720	620	425	340	820	560	M12	178.00
BXT-IX-W	1280	1180	900	800	350	265	1120	740	M12	250.00
BXT-IXB-W	1280	1180	900	800	500	415	1120	740	M12	288.00



BXT-I-W ~ BXT-VIIB-W



BXT-VIII-W ~ BXT-IXB-W

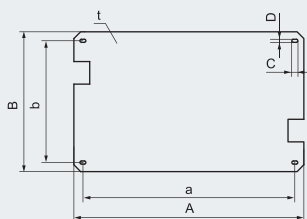
Mounting feet

Version	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
BXT-VIII-W	820	720	560	50	26	14	37
BXT-VIIIB-W	820	720	560	50	26	14	37
BXT-IX-W	1000	900	740	50	26	14	37
BXT-IXB-W	1000	900	740	50	26	14	37

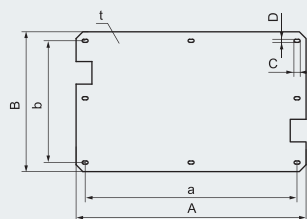
Empty Enclosures

BXT-□-W Series Explosion-proof Enclosures (Ex d IIB)

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



BXT-I-W ~ BXT-VIIB-W



BXT-VIII-W ~ BXT-IXB-W

Mounting plate

Version	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
BXT-VIII-W	840	780	580	520	19	13	2
BXT-VIIIB-W	840	780	580	520	19	13	2
BXT-IX-W	1140	1080	760	700	19	13	2
BXT-IXB-W	1140	1080	760	700	19	13	2