

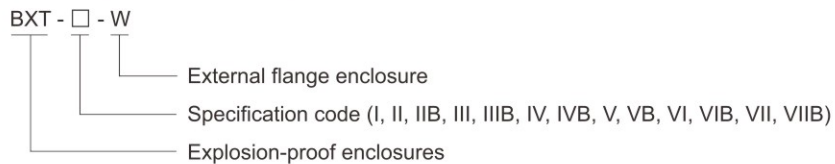
Empty Enclosures

BXT-□-W Series Explosion-proof Enclosures (Ex db IIB+H2)



- ◆ 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 Copper-free Aluminium Alloy, formed of low pressure casting. 13 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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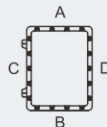
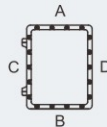
Technical data	
Explosion-proof enclosures	BXT-□-W
Explosion protection	
Global (IECEX)	IECEX CQM 14.0011U
Gas and dust	Ex db IIB+H2 Gb Ex tb IIIC Db IP66
Europe (ATEX)	LCIE 11 ATEX 3012U
Gas and dust	⊕ II 2 G Ex db IIB+H2 Gb ⊕ II 2 D Ex tb IIIC Db IP66
Certificates	IECEX; ATEX; CU-TR
Conformity to standards	EN 60079-0, EN 60079-1, EN 60079-31 IEC 60079-0, IEC 60079-1, IEC 60079-31
Degree of protection	IP66
Internal & external earthing	I, II, IIB: M6/M6; III, IIIB, IV, IVB, V, VB, VI, VIB: M6/M8; VII, VIIIB: M8/M8
Ambient temperature	-60°C~+100°C
Service temperature	-60°C~+200°C
Enclosure material	Copper-free Aluminium Alloy, powder coated surface, window grey (RAL7040)
Exposed fastener	Stainless steel
Mounting feet	Carbon steel, power coated surface
Hinge	With hinge

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

Table of max. number of possible enclosure entries

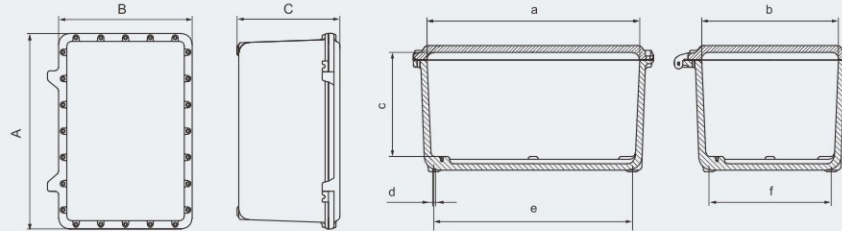
Size	I		II		IIB		III		IIIB		IV		IVB	
	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D
M20×1.5	5	8	5	10	5	12	10	12	16	20	12	16	22	30
M25×1.5	5	7	5	9	5	10	9	11	12	15	11	14	15	20
M32×1.5	2	3	2	4	2	6	7	9	9	12	9	12	12	16
M40×1.5	2	2	2	3	2	4	3	4	5	6	4	5	6	9
M50×1.5	1	2	1	3	1	3	3	3	4	5	3	4	5	7
M63×1.5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

Size	V		VB		VI		VIB		VII		VIIIB	
	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D	A/B	C/D
M20×1.5	14	21	24	40	20	35	30	50	30	40	45	65
M25×1.5	12	19	18	27	18	30	20	36	26	36	30	44
M32×1.5	10	15	14	21	15	26	18	30	20	30	25	36
M40×1.5	4	7	8	12	8	13	11	18	10	16	15	21
M50×1.5	4	5	5	9	6	11	6	10	8	12	12	12
M63×1.5	3	5	4	7	3	5	5	9	4	6	7	10



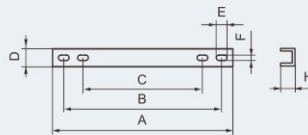
Empty Enclosures BXT-□-W Series Explosion-proof Enclosures (Ex db IIB+H2)

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	131	180	130	M8	6.70
BXT-II-W	300	242	200	142	170	131	230	130	M8	8.00
BXT-IIB-W	350	292	200	142	170	131	280	130	M8	9.50
BXT-III-W	350	290	300	240	200	159	280	230	M10	14.50
BXT-IIIB-W	350	290	300	240	270	229	280	230	M10	17.50
BXT-IV-W	450	378	350	278	210	163	365	265	M10	23.00
BXT-IVB-W	450	378	350	278	280	233	365	265	M10	27.50
BXT-V-W	560	488	400	328	210	155	475	315	M10	34.50
BXT-VB-W	560	488	400	328	280	225	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	215	620	460	M12	74.50
BXT-VIIB-W	720	640	560	480	345	285	620	460	M12	83.00



Mounting feet

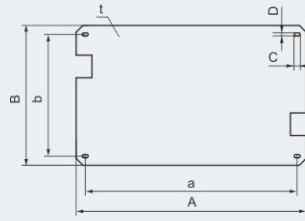
Version	Dimensions						
	A	B	C	D	E	F	H
BXT-I-W	240	200	130	30	16	10	20
BXT-II-W	240	200	130	30	16	10	20
BXT-IIB-W	240	200	130	30	16	10	20
BXT-III-W	340	300	230	40	24	12	20
BXT-IIIB-W	340	300	230	40	24	12	20
BXT-IV-W	400	350	265	40	24	12	20
BXT-IVB-W	400	350	265	40	24	12	20
BXT-V-W	450	400	315	40	26	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



Empty Enclosures

BXT-□-W Series Explosion-proof Enclosures (Ex db IIB+H2)

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



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

