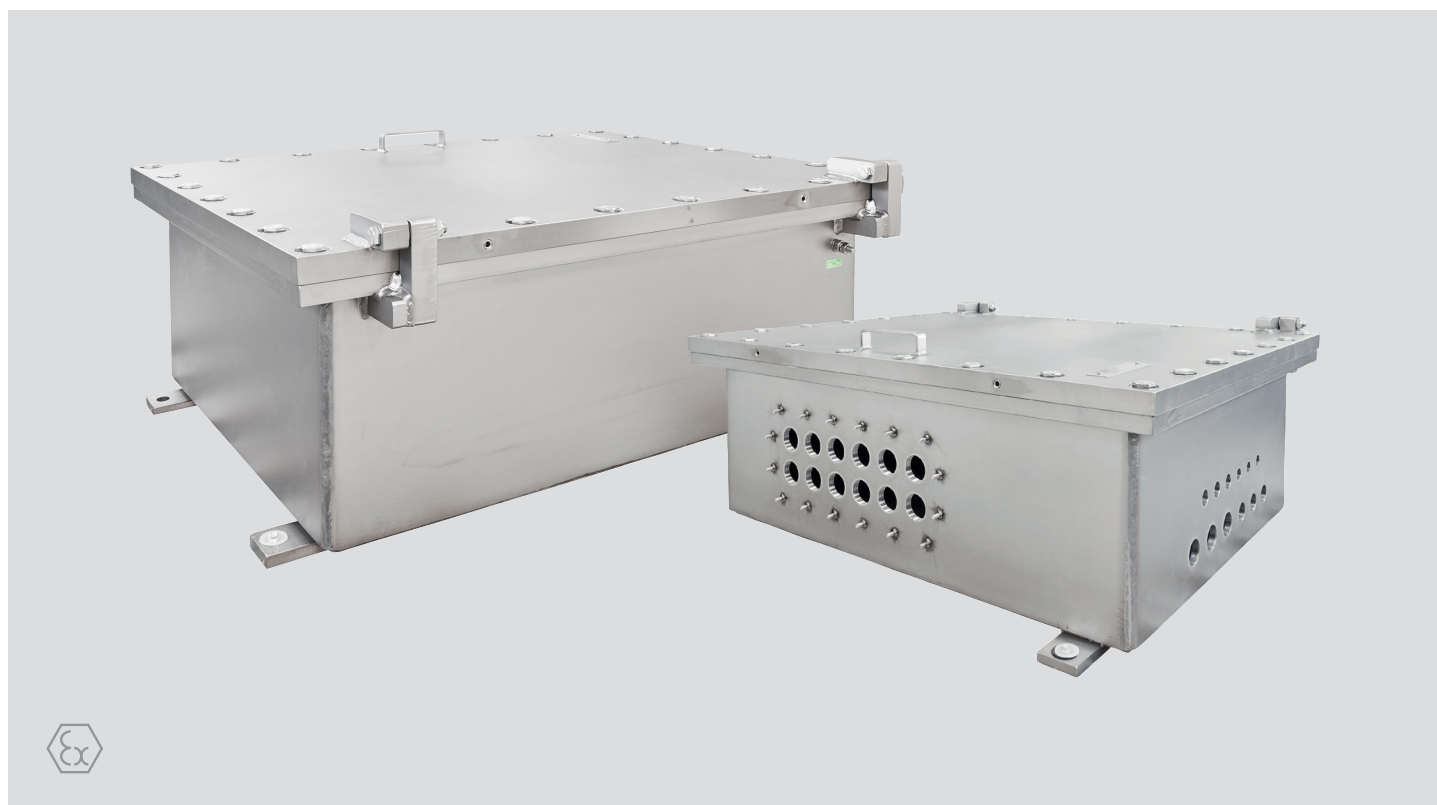


Flameproof Enclosures DE8BC

Datasheet



The DE8BC range comprises many standard sizes of enclosures manufactured in stainless steel 316L. The enclosures allow for utilization of standard electrical components inside.

Thus subsequent replacement and maintenance of the installed components is easy, and may be performed by skilled electricians. If required, several enclosures may be assembled on a framework, with separate or common Ex e/i junction boxes. The enclosures can be delivered empty with U-component certificate or supplied fully assembled according to client demands.

- Flexible product range with many standard sizes and up to 36kVAC
- Ingress protection IP 66
- Suitable for demanding environments
- Wide temperature range (-40 °C to +60 °C)
- Several earthing alternatives
- May be used with a Ex e/i connection box
- Window in lid/door may be fitted
- Simplified inspection routines with extended intervals

Applications

Junction box, control station, uninterrupted power supply, transformer, distribution board, motor starter, umbilical splitter box.

Explosion protection

Marking	⊕ II 2 G/D or 2(1)G/D and EPL Gb/Db Ex db IIB +H2 T4 to T6 Gb Ex db [ia] IIB +H2 T6 Gb Ex tb IIIC T85 °C to 135 °C Db
Certification ATEX	INERIS 09ATEX9017U INERIS 09ATEX0061X
Certification IECEx	IECEx INE 13.0001U IECEx INE 13.0088X
INMETRO	DNV 16.0017X
EAC	TC RU C- NO.ГБ08.B.02030
Directives	EN/IEC 60079-0, EN/IEC 60079-1, EN/IEC 60079-31
Other approvals and certificates, see bartec.com	



Technical Data

Material	Stainless steel 316L
Protection class	IP 66
Temperature	-40 °C to +60 °C
Surface treatment	shot blasted
Earthing	M10

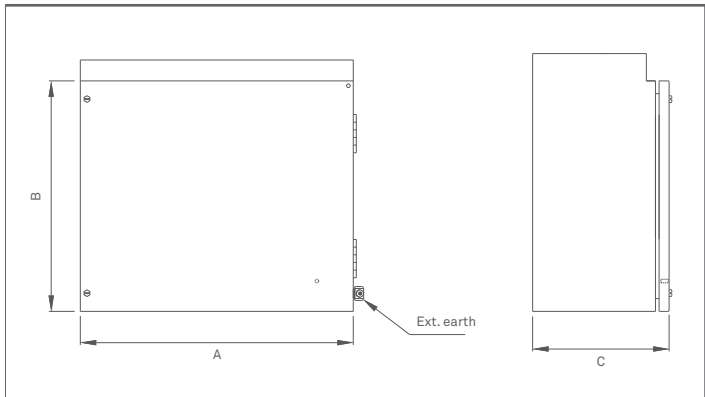
External dimensions

Ex d IIB Explosion proof enclosures

	Width A (mm)	Height B (mm)	Depth C (mm)	Useful depth C1 (mm)	External fixing H1 x L1 (mm)	Diameter of fixing holes (mm)	Mounting plate size (mm)	Max. heat dissipation W (mm)	Weight (kg)
32	338	438	261	192	234 x 326	Ø 12	230x330x3	250	74
32D	338	438	471	403	234 x 326	Ø 12	230x330x3	250	87
351	358	478	261	192	274 x 346	Ø 12	255x380x3	250	85
351D	358	478	471	403	334 x 346	Ø 12	255x380x3	250	98
43	438	538	321	252	334 x 426	Ø 12	330x430x3	380	122
43D	438	538	472	403	334 x 426	Ø 12	330x430x3	380	145
44	548	548	323	252	334 x 526	Ø 20	430x430x3	380	155
44D	548	548	476	405	414 x 526	Ø 20	430x430x3	380	182
54	548	648	323	252	414 x 526	Ø 20	430x530x3	410	180
54D	548	648	476	405	514 x 526	Ø 20	430x530x3	410	204
64	548	748	323	252	514 x 526	Ø 20	430x630x3	470	205
64D	548	748	476	405	614 x 526	Ø 20	430x630x3	470	238
75	668	868	332	253	614 x 630	Ø 20	530x730x3	600	319
75D	668	868	486	405	714 x 630	Ø 20	530x730x3	600	361
86	768	968	378	297	714 x 734	Ø 20	630x830x3	600	447
86D	768	968	493	407	908 x 734	Ø 20	630x830x3	600	510
107	868	1168	400	309	908 x 868	Ø 20	730x1030x3	1200	660
108	868	1168	435	344	908 x 868	Ø 20	730x1030x3	1400	675
108D	868	1168	500	409	908 x 868	Ø 20	730x1030x3	1400	725
148	944	1594	509	417	1200x900	Ø 20	780x1430x3	2000	1110

Dimension tolerance: ± 5 mm

Dimensions

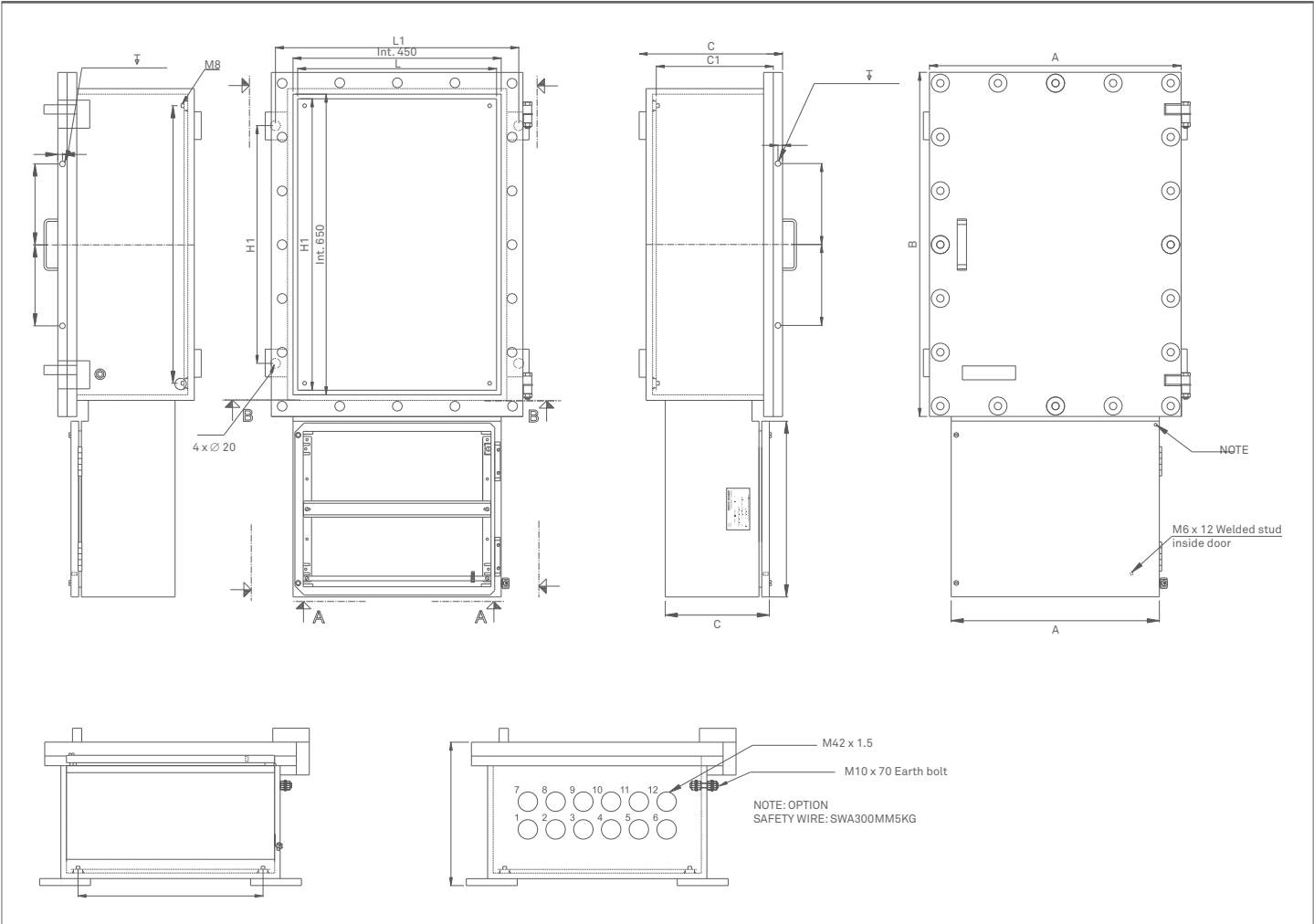


Assembly possibilities between DE8BC and TNCN

	DE8BC..								
	43	44	54	64	75	86	107	108	148
TNCN 354522	x	x	x	x	x	x	x	x	x
TNCN 453822		x	x	x	x	x	x	x	x
TNCN 575727						x	x	x	x
TNCN 767632							x	x	x

x: possibility of combination

Dimensions



External dimensions

Ex e II Increased safety enclosures

	Width A (mm)	Height B (mm)	Depth C (mm)	No. of command/ signal unit	No. of Ammeter	Max. heat dissipation W (mm)	Weight (kg)
354522	350	450	200	9	2	25	6
453822	450	380	220	18	4	42	8
575727	570	570	270	40	4	72	13
767632	760	760	300	108	5	120	22

Dimension tolerance: ± 5 mm