

BOXES Hazardous Location



TECHNOR
ITALSMEA
A COMPANY OF MARECHAL ELECTRIC

SB Series

316L Stainless Steel Enclosures



- ▶ Meets ATEX and IECEx standards for use in explosive environments. Meets UL standard for use as an industrial control panel.
- ▶ Over 20 standard sizes available
- ▶ Custom sizes can be ordered ranging from 100mm x 120mm x 100mm thru 910mm x 1140mm x 500mm
- ▶ Can be ordered empty or as a complete customized control panel per customer specifications

Technical Features

- ▶ **Box material:** Stainless steel AISI 316L, 1.5 mm thickness
- ▶ **Surface treatment:** Acid treatment
- ▶ **Gaskets:** Silicon rubber (suitable for use between -70°C/+200°C)
- ▶ **Environmental Rating:** IP66/IP67, Type 1, 4, 4X, 12
- ▶ **Shock resistance:** IK10
- ▶ **Ambient Temperature:** From -50°C to +60°C (ATEX), From -50°C to +95°C (IECEx) From -40°C to +40°C (UL)
- ▶ **Approvals:** cULus: file UL E488994
ATEX: IMQ 08 ATEX 028X and IMQ 16 ATEX 004 U
IECEx: IECEx IMQ 15.0002X and IECEx IMQ 15.0010U
EAC: TR CU 05.B.01093
- ▶ **ATEX/IECEx Marking:**
CE II 2 GD
Ex e IIC T(**) Gb / Ex ia IIC T(**) Gb / Ex ib IIC T(**) Gb
Ex tb IIIC T(**) Db IP66/67
** T6/T85°C, T5/T100°C, T4/T135°C
- ▶ **Compliance:** IECEx / ATEX: IEC/EN : 60079-0 / 60079-1 / 60079-7 / 60079-11 / 60079-18 / 60079-31
UL: UL 508A and CSA C22.2 No. 14-13
- ▶ **Standard certificate label:** Self adhesive UV and corrosion resistant polyester
- ▶ **Entries:** Up to 80 mm diameter

Key Options Available

- ▶ Entries – added as needed
- ▶ Hinges – optional without
- ▶ Doors – optional locked
- ▶ Side gland plates
- ▶ Other options:
 - ▶ Breather drains
 - ▶ Viewing windows
 - ▶ Ground studs
 - ▶ Internal mounting plates
 - ▶ Acrylic laminated or stainless steel tag & certification labels
 - ▶ Other material thickness available
 - ▶ Electro polishing

SB Series 316L Stainless Steel Enclosure

Devices rated for hazardous locations are not returnable.

PART NUMBER	DIMENSIONS (mm)*					MAXIMUM CABLE ENTRIES W/O GLAND PLATE		MAXIMUM CABLE ENTRIES W/GLAND PLATE		MAX N° TERMINALS		WEIGHT (KG)
	A	B	C	D	E	SIDE A	SIDE B	SIDE A	SIDE B	2,5 MM ²	4 MM ²	
SB-101210**	100	120	100	150	-	4	4	-	-	7	6	1.5
SB-151510**	150	150	100	180	-	6	6	-	-	13	11	2.5
SB-202010	200	200	100	230	160	9	9	-	-	22	19	3.0
SB-202016	200	200	160	230	160	15	15	8	8	22	19	3.5
SB-204016	200	400	160	230	360	15	30	8	18	66	57	4.8
SB-282816	280	280	160	310	240	21	21	12	12	76	64	5.2
SB-282827	280	280	270	310	240	46	46	33	33	76	64	7.5
SB-302016	300	200	160	330	160	21	15	12	8	44	38	5.0
SB-383816	380	380	160	410	340	30	30	18	18	114	96	8.1
SB-383827	380	380	270	410	340	67	67	51	51	114	96	10.1
SB-384516	380	450	160	410	410	30	36	18	20	171	144	10.7
SB-385716	380	570	160	410	530	30	45	18	28	228	192	16.4
SB-575716	570	570	160	600	530	45	45	28	28	372	312	16.4
SB-575730	570	570	300	600	530	116	116	95	95	372	312	21.4
SB-577620	570	760	200	600	720	73	98	54	74	558	468	21.7
SB-769520	760	950	200	790	910	98	125	74	94	990	834	32.9
SB-272713	270	270	130	300	230	14	14	6	6	36	30	4.5
SB-353516	350	350	160	380	310	27	27	16	16	102	86	5.6
SB-142013	140	200	130	170	160	6	10	2	4	11	9	4.0
SB-202713	200	270	130	230	230	10	14	4	6	36	30	7.0
SB-273513	270	350	130	300	310	14	18	6	8	72	60	9.5
SB-355016	350	500	160	380	460	27	39	16	24	160	134	13.0
SB-505016	500	500	160	530	460	39	39	24	24	240	201	14.5

* Upon request, any dimension between 100x120x100 and 910x1140x500 can be manufactured.

** The enclosure is only available without hinges.

Dimensions – Provided in mm

