STB Series

Compact terminal and junction boxes in stainless or sheet steel.

STB Series

The STB series is intended for terminal and junction-box applications where frequent access is not required.

Features

Category: Explosion proof Enclosure, without hinge

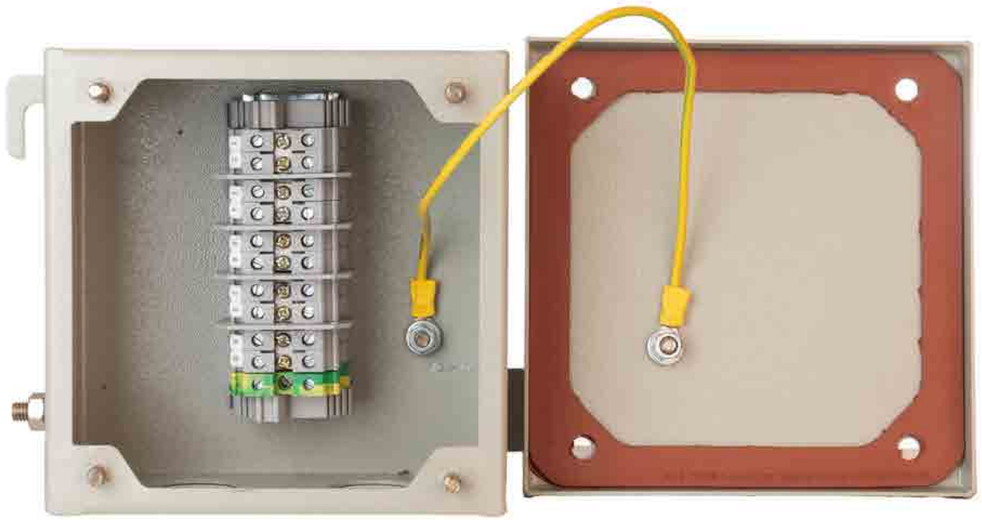
Material: Stainless Steel AISI 316L/304, Sheet Steel

Marking: Ex e IIC T6 IP66

Application: Ex. Junction Box, Industrial Control Station

Technical Data	
Explosion proof Enclosure, STB Series, Suitable for Zone 1,2,21,22	
Marking to 94/9/EC	Gas: II 2 G Ex e IIC T6 Gb
	Dust: II 2 D Ex t IIIC 100-C
Degree of Protection	IP 66
Ambient Temperature	-20°C to +55°C
EC Type examination certificate	LOM 15 ATEX 2013
Material	Stainless Steel AISI 316L/304
	Sheet Steel ST 37
	Finish in epoxy powder electrostatic coating
	Thickness: 1.5 mm

Permitted Dissipated Wattage (W)				
Type	T6 (T85°C)		T5 (T100°C)	
	T_a<40°C	T_a<55°C	T_a<40°C	T_a<55°C
STB 1	11.7	7.3	16	11.7
STB 2	17.8	11.1	24.4	17.8
STB 3	39	24.4	53.6	39



Maximum Number of Terminals							
Type	Size (mm)	No. of Rails	Max No. of terminals				
			Wire cross section (mm2)				
	LxWxH		2.5	4	6	10	16
STB 1	163x163x100	1	22	21	16	13	_
STB 2	263x163x100	2	57	54	43	34	27
STB 3	413x263x115	2	107	100	80	64	51

Cable Entries Capacity					
Model	STB 1	STB 2		STB 3	
Gland Size	Each Side	Greater side	Smaller Side	Greater side	Smaller Side
M16	8	14	8	33	14
M20 S	6	12	6	21	12
M20 A	8	12	8	27	12
M25	4	6	4	16	6
M32	2	4	2	8	4
M40	2	3	2	5	3



Part No.	Part Name	Material
1	Body	Stainless steel AISI 316L/304, Thickness: 1.5 mm
2	Lid	Stainless steel AISI 316L/304, Thickness: 1.5 mm
3	Stud Weld	M6x15, Stainless Steel A2.70
4	Cap Nut	M6, Stainless Steel A2.70
5	Plain Washer	M6, Stainless Steel A2.70
6	Gasket	Silicone Sponge
7	acket	Stainless steel AISI 316L/304, Thickness: 1.5 mm

Enclosure	L	L1	W	W1	H	H1	N
STB 1	163	-	163	229	90	75	4
STB 2	263	151	163	229	100	85	6
STB 3	413	301	263	329	115	100	12

