Tavan Omran Sanat Samaneh Co.

Ex Stainless steel Junction Box

STB Series

CERTIFICATE	2195 24 ATEX 032 X
MARKING Ex	II 2G Ex eb IIC T6 or T5 or T4 Gb
	II 2D Ex tb IIIC T85°C or T100°C or T135°C Db
DIRECTIVE	2014/34/EU
STANDARD	EN IEC 60079-0:2018, EN 60079-7:2015, EN IEC 60079-31:2024
INSTALLATION	zone 1 - 2 - 21 - 22
PROTECTION	IP66

CONSTRUCTION

Stainless steel AISI 316L/Carbon steel Body. Stainless steel cover bolts and screws. Internal/External earth screws. Polyurethane foam/Silicon gasket. Fixing lugs.

FEATURES

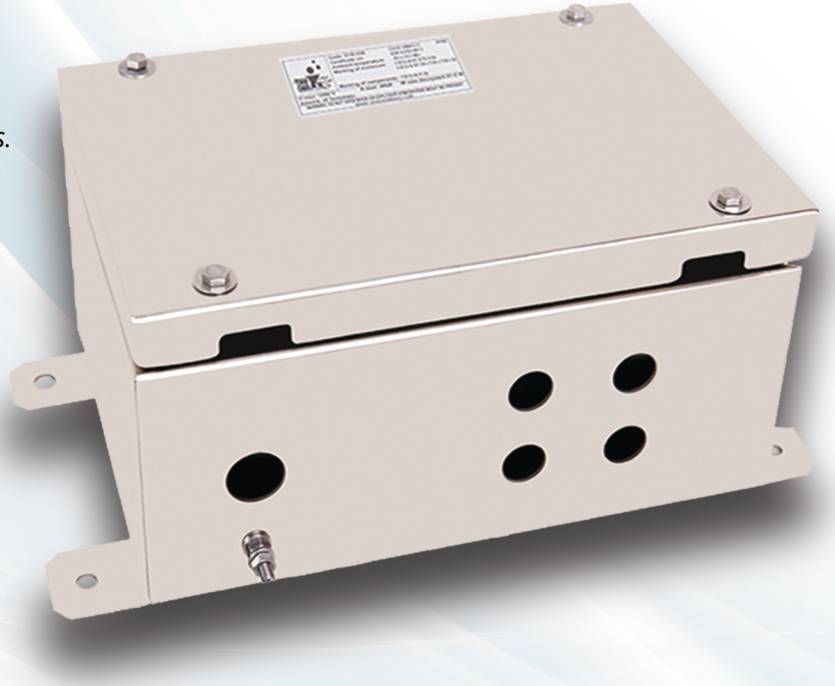
STB series of junctionboxes are suitable for electrical installation. They have a type of protection increased safety "Ex e" and dust ignition protection by enclosure "Ex t" and can be equipped with the terminal blocks having a component certificate "Ex e" inside of enclosures.

STB series of junction boxes ensure reliable prevention of unacceptably high temperatures and sparks or electrical arcs, both on the internal and on the external parts of electrical equipment whose normal operation does not involve unacceptably high temperature sparks or arching.

Body can be drilled and threaded according to customers specification.
In accordance with rules, only Tavanomran can perform the drilling.

ACCESSORIES UPON

Can be supplied with Multipolar or Modolar terminal blocks and with removable gland plates. Identification label.

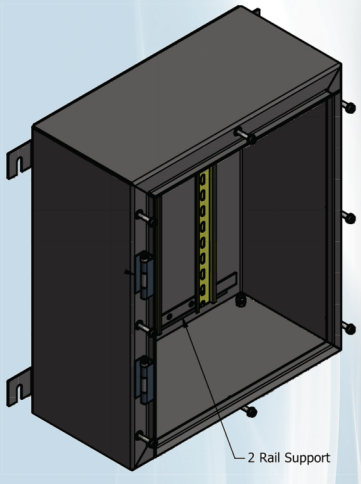


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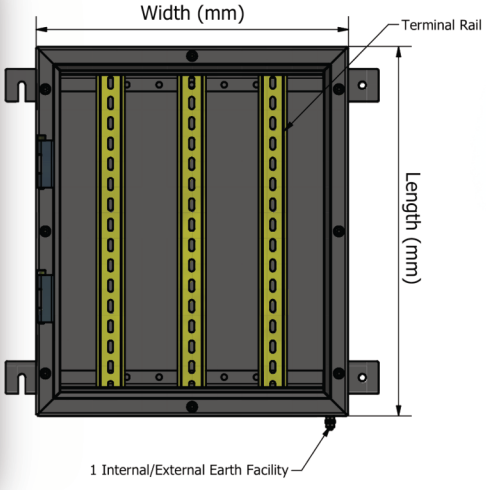
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DIMENSIONS (mm)



code	Length	Width	Depth		
			Type A	Type B	Type C
STB-01	210	210	100	120	150
STB-02	205	305	120	150	210
STB-03	240	305	120	150	210
STB-04	305	305	150	210	310
STB-05	250	400	150	210	310
STB-06	325	375	150	210	310
STB-07	385	455	150	210	310
STB-08	480	480	150	210	310
STB-09	400	600	150	210	310
STB-10	510	610	150	210	310
STB-11	510	810	150	210	310
STB-12	610	810	150	210	310
STB-13	655	955	150	210	310
STB-14	805	1255	150	210	310

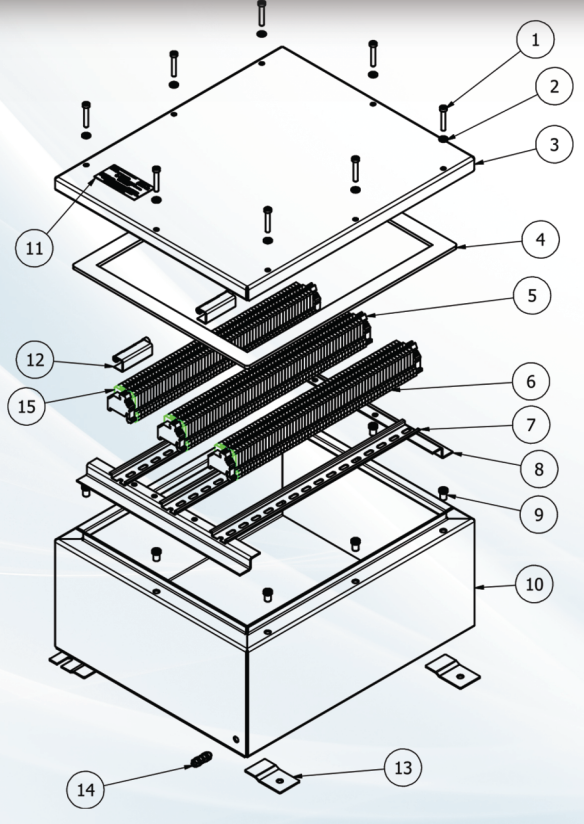


MAXIMUM ALLOWED DISSIPATION (W)

code	Tamb: -30°C to +55°C		
	T6/T85°C	T5/T100°C	T4/T135°C
STB-01	5.13	8.23	14.88
STB-02	5.79	10.19	17.18
STB-03	6.75	11.92	20.66
STB-04	7.84	13.67	24.33
STB-05	8.82	15.44	27.96
STB-06	9.58	16.72	28.66
STB-07	10.89	18.95	35.12
STB-08	11.86	20.69	38.72
STB-09	12.56	23.54	43.57
STB-10	13.95	24.19	46.06
STB-11	14.99	25.96	49.63
STB-12	15.95	27.63	53.27
STB-13	16.93	29.45	56.86
STB-14	18.36	30.66	60.93

PART LIST

1	Lid Screw	6	Terminal	11	Label
2	Lid Flat Washer	7	Rail	12	Hinge
3	Lid	8	Rail Support	13	Mounting Bracket
4	Gasket	9	Rivet Nut	14	Earth Facility
5	Terminal	10	Body	15	Earth Terminal



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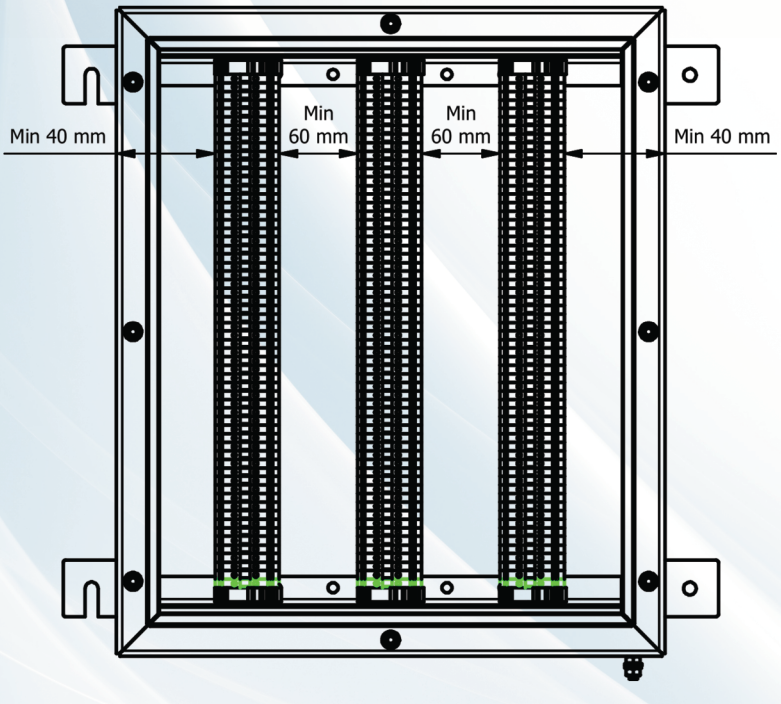
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TERMINALS

code	Max number of Terminals fits inside given cable size (mm)											
	2.5	4	6	10	16	25	35	50	70	95	150	240
STB-01	25	23	18	15	12	10	9	-	-	-	-	-
STB-02	40	36	30	24	20	18	14	6	5	-	-	-
STB-03	2x40	2x36	2x30	2x24	20	18	14	8	6	-	-	-
STB-04	3x40	3x36	3x30	3x24	2x20	2x18	2x14	12	10	-	-	-
STB-05	2x56	2x52	2x42	2x34	26	24	20	16	14	8	6	5
STB-06	3x52	3x48	3x38	3x32	2x24	2x22	2x18	15	12	12	9	6
STB-07	3x66	3x60	3x50	3x40	2x25	2x28	2x24	18	16	15	12	10
STB-08	4x70	4x64	4x52	4x42	3x34	3x30	3x25	2x20	2x18	16	12	10
STB-09	3x90	3x82	3x68	3x54	2x42	2x38	2x32	2x27	2x24	20	16	14
STB-10	4x92	4x84	4x68	4x55	3x42	3x40	3x32	3x27	3x24	22	18	15
STB-11	4x125	4x115	4x94	4x75	3x60	3x55	3x45	3x36	3x32	30	24	20
STB-12	5x125	5x115	5x94	5x75	4x60	4x55	4x45	3x36	3x32	30	24	20
STB-13	5x150	5x138	5x112	5x90	4x72	4x66	4x54	3x45	3x40	35	28	24
STB-14	6x200	6x184	6x150	6x120	5x96	5x88	5x72	4x60	4x54	48	38	24



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