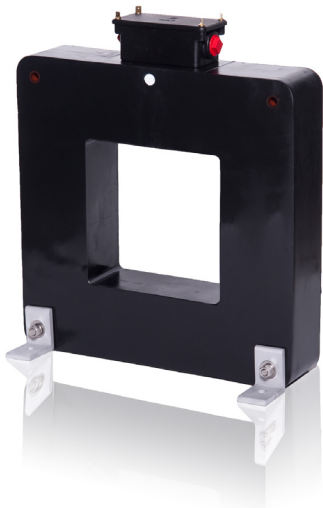


Type STBB-991/992 Indoor/outdoor current transformer



Application

The STBB-991/992 outdoor, square, window-type current transformer is an 8.7 kV, 75 kV BIL rated unit. Primary current ratios are available from 600:5 to 12000:5 at 60 Hertz (Hz), with a rating factor of up to 2.0. This dry-type, solid-cast current transformer will operate with high accuracy for metering or relay applications.

Mechanical description

The core and coil assembly is wound and encapsulated in a molded cast resin with a window size of 10¼" or 12¼" sq. to provide high withstand capabilities. The secondary terminals are ¼"-20 studs with associated hardware located inside a removable terminal box with two (2) 1" NPT conduit hubs.

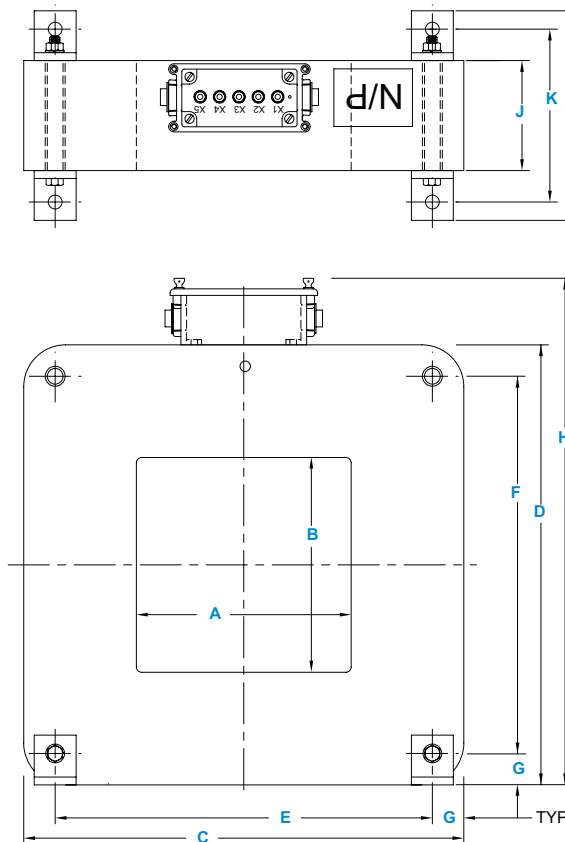
Accuracy performance

The STBB-991/992 can provide up to 0.3 class accuracy for metering with burdens of B-0.1 to B-1.8, and up to C800 for some relay applications (see ratings specific to each ratio). The transformer is accurate through its rating factor, and can be used continuously to this level.

Mounting

The STBB is designed for mounting in an upright position using four mounting feet provided at the bottom of the unit. It can be mounted horizontally if all four corner mounting holes are used.

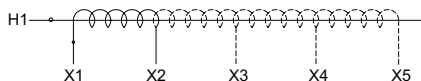
Unit dimensions



Unit dimensions

STBB	A	B	C	D	E	F
-991	10.25	10.25	21.0	21.0	18.0	18.0
-992	12.25	12.25	23.0	23.0	20.0	20.0
STBB	G	H	J	K	L	
-991	1.5	24.0	*	J + 3.0	J + 6.0	
-992	1.5	27.0	*	J + 3.0	J + 6.0	

* 3.5" [89] minimum, 8.5" [216] maximum. Based on ratio and accuracy. Note: For dimensions A and B, window is geometrically centered.



Wiring diagram

Ratio	IEEE metering accuracy	Relay accuracy	Rating factor	STBB-991 style no. (10.25" window)	STBB-992 style no. (12.25" window)
600:5	0.3B-0.2	C100	2.0	C150600S1	C160600S1
800:5	0.3B-0.2	C100	2.0	C150800S1	C160800S1
1000:5	0.3B-0.5	C150	2.0	C151000S1	C161000S1
1200:5	0.3B-0.9	C200	2.0	C151200S1	C161200S1
1500:5	0.3B-0.9	C200	2.0	C151500S1	C161500S1
2000:5	0.3B-1.8	C200	2.0	C152000S1	C162000S1
2500:5	0.3B-1.8	C300	2.0	C152500S1	C162500S1
3000:5	0.3B-1.8	C400	2.0	C153000S1	C163000S1
4000:5	0.3B-1.8	C400	2.0	C154000S1	C164000S1
5000:5	0.3B-1.8	C600	1.5	C155000S1	C165000S1
6000:5	0.3B-1.8	C800	1.5	C156000S1	C166000S1
8000:5	0.3B-1.8	C800	1.5	C158000S1	C168000S1
9000:5	0.3B-1.8	C800	1.5	C159000S1	C169000S1
10000:5	0.3B-1.8	C800	1.5	C151000S1	C161000S1
12000:5	0.3B-1.8	C800	1.5	C151200S1	C161200S1
1000/2000:5	0.3B-0.5/0.3B-1.8	C100/C200	2.0/2.0	C151000D1	C161000D1
2000/4000:5	0.3B-1.8/0.3B-1.8	C200/C400	2.0/1.5	C152000D1	C162000D1
3000/6000:5	0.3B-1.8/0.3B-1.8	C400/C800	2.0/1.5	C153000D1	C163000D1
4000/8000:5	0.3B-1.8/0.3B-1.8	C400/C800	2.0/1.5	C154000D1	C164000D1
5000/10000:5	0.3B-1.8/0.3B-1.8	C400/C800	2.0/1.0	C155000D1	C165000D1
6000/8000:5	0.3B-1.8/0.3B-1.8	C400/C800	2.0/1.5	C156080D1	C166080D1
6000/10000:5	0.3B-1.8/0.3B-1.8	C400/C800	1.5/1.0	C1560100D1	C1660100D1
6000/12000:5	0.3B-1.8/0.3B-1.8	C400/C800	2.0/1.5	C156000D1	C166000D1
8000/12000:5	0.3B-1.8/0.3B-1.8	C400/C800	1.5/1.0	C1580120D1	C1680120D1
10000/12000:5	0.3B-1.8/0.3B-1.8	C600/C800	1.0/1.0	C1510012D1	C1610012D1

One second thermal/mechanical ratings: 80 x full winding I_{nom} / unlimited mechanical.

Available in multi-ratio designs (full tap ratings same as single ratio above).

Testing

Test reports are stored electronically and can be e-mailed in various formats at the time of shipment.

Standards

This unit can be tested to all applicable IEEE, CSA, or IEC standards as requested.

Options

Contact factory for other needs.

For more information please contact:

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Medium Voltage Distribution Components
 3022 NC 43 North
 Pinetops, NC 27864
 USA
 Phone: +1 252 827 3212
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www.abb.com/mediumvoltage

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