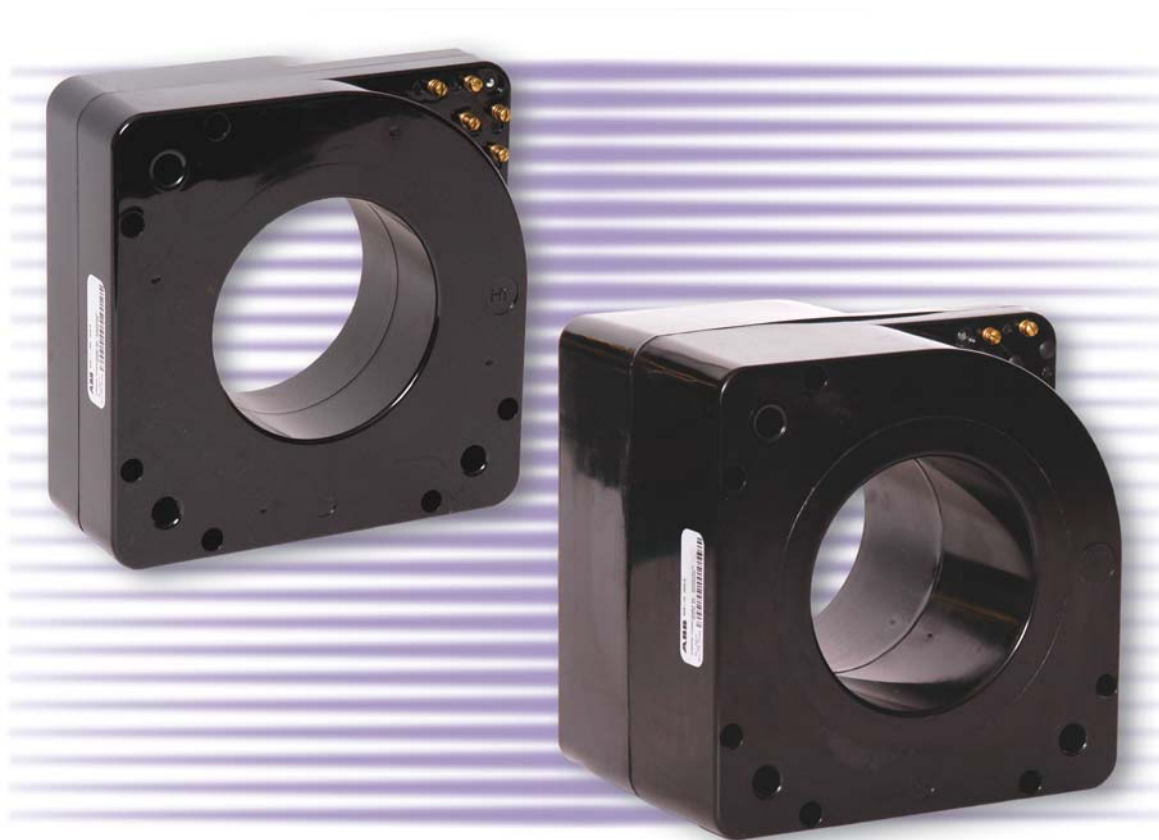


Types SAB and SAB-D Current Transformers

600 Volt, 10 kV BIL, Indoor
Product Bulletin 1VAP428781-DB



ABB

Product Features

- 600 Volt Indoor
- 10 kV BIL
- 25 through 400 Hertz
- Primary Amperes 50-5000
- Mechanical Rating:
180 x rated current
- Thermal Rating:
80 x rated current, one second
- Continuous Current Rating Factor:
50-4000 Primary Amperes:
1.33 @ 30°C ambient
1.00 @ 55°C ambient
5000 Primary Amperes:
1.00 @ 30°C ambient
0.50 @ 55°C ambient
- UL Recognized Component;
File No. E96461



UL Recognized Component

Application

The SAB and SAB-D current transformers are used as the source of current for relaying and metering. Each type is available in two internal window diameter sizes, applicable to the current rating of the switchgear. The deeper case SAB-D is used when high burden relaying and metering is required.

Construction Features

The ring-type core is insulated and toroidally wound with a fully distributed secondary winding. The protective case, made of an impact-resistant polycarbonate, is assembled using self-tapping screws.

Secondary Terminals

Secondary terminals are 10-32 brass terminal screws with hardware. Space is available for a maximum of five terminals to accommodate multi-ratio designs.

Curves

Saturation, overcurrent, ratio correction factor, and phase-angle curves are available upon request.

Test Reports

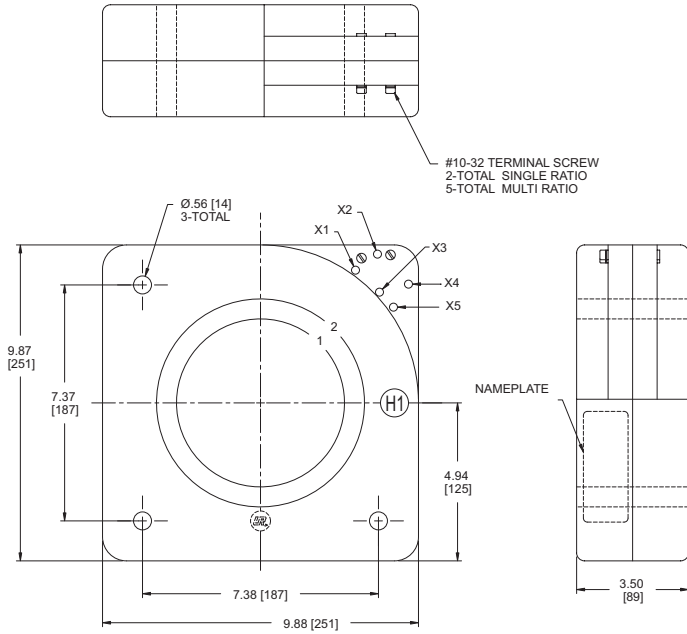
IEEE test reports are stored electronically and can be e-mailed in various formats at the time of shipment.

Standards

These units meet all applicable IEEE and NEMA standards and are UL Recognized Components.

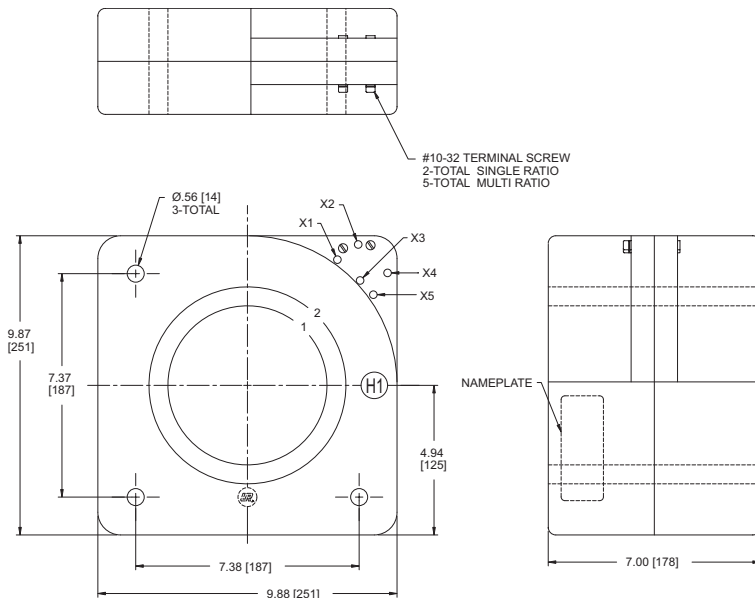
Unit Dimensions

Types SAB-1 and SAB-2



Type	Window Size		Thickness		Approximate Weight (lbs)
	(in)	(mm)	(in)	(mm)	
SAB-1	5.25	133	3.5	89	38
SAB-2	6.5	165	3.5	89	38
SAB-1D	5.25	133	7.0	178	65
SAB-2D	6.5	165	7.0	178	65

Types SAB-1D and SAB-2D



Note: Metric dimensions are displayed in [mm].

Selection Guide

Primary Ampere Rating	IEEE Metering Accuracy					IEEE Relaying Accuracy	Style Number
	B-0.1	B-0.2	B-0.5	B-0.9	B-1.8		
SAB-1 (5.25" window)							
50	2.4	4.8	-	-	-	C10	923A329G01
75	1.2	2.4	4.8	-	-	C10	923A329G02
100	1.2	2.4	4.8	-	-	C20	923A329G03
150	0.6	0.6	1.2	2.4	4.8	C20	923A329G04
200	0.3	0.3	0.6	1.2	2.4	C50	923A329G05
250	0.3	0.3	0.6	1.2	1.2	C50	923A329G06
300	0.3	0.3	0.3	1.2	1.2	C50	923A329G07
400	0.3	0.3	0.3	0.3	0.6	C100	923A329G08
500	0.3	0.3	0.3	0.3	0.6	C100	923A329G09
600	0.3	0.3	0.3	0.3	0.3	C100	923A329G10
800	0.3	0.3	0.3	0.3	0.3	C100	923A329G11
1000	0.3	0.3	0.3	0.3	0.3	C100	923A329G12
1200	0.3	0.3	0.3	0.3	0.3	C200	923A329G13
1500	0.3	0.3	0.3	0.3	0.3	C200	923A329G14
2000	0.3	0.3	0.3	0.3	0.3	C200	923A329G15
2500	0.3	0.3	0.3	0.3	0.3	C400	923A329G16
3000	0.3	0.3	0.3	0.3	0.3	C400	923A329G17
4000	0.3	0.3	0.3	0.3	0.3	C400	923A329G18
5000	0.3	0.3	0.3	0.3	0.3	C400	923A329G19
Multi-Ratio, IEEE, 5 Terminals							
600	0.3	0.3	0.3	0.3	0.6	C100	923A329G20
1200	0.3	0.3	0.3	0.3	0.3	C200	923A329G21
2000	0.3	0.3	0.3	0.3	0.3	C200	923A329G22
3000	0.3	0.3	0.3	0.3	0.3	C400	923A329G23
4000	0.3	0.3	0.3	0.3	0.3	C400	923A329G24
5000	0.3	0.3	0.3	0.3	0.3	C400	923A329G25

Primary Ampere Rating	IEEE Metering Accuracy					IEEE Relaying Accuracy	Style Number
	B-0.1	B-0.2	B-0.5	B-0.9	B-1.8		
SAB-1D (5.25" window)							
50	2.4	4.8	-	-	-	C20	923A331G01
75	1.2	2.4	4.8	-	-	C20	923A331G02
100	0.6	1.2	2.4	4.8	4.8	C50	923A331G03
150	0.3	0.6	1.2	1.2	2.4	C50	923A331G04
200	0.3	0.6	1.2	1.2	2.4	C100	923A331G05
250	0.3	0.3	0.6	0.6	1.2	C100	923A331G06
300	0.3	0.3	0.3	0.6	1.2	C100	923A331G07
400	0.3	0.3	0.3	0.3	0.6	C200	923A331G08
500	0.3	0.3	0.3	0.3	0.3	C200	923A331G09
600	0.3	0.3	0.3	0.3	0.3	C200	923A331G10
800	0.3	0.3	0.3	0.3	0.3	C200	923A331G11
1000	0.3	0.3	0.3	0.3	0.3	C200	923A331G12
1200	0.3	0.3	0.3	0.3	0.3	C400	923A331G13
1500	0.3	0.3	0.3	0.3	0.3	C400	923A331G14
2000	0.3	0.3	0.3	0.3	0.3	C400	923A331G15
2500	0.3	0.3	0.3	0.3	0.3	C800	923A331G16
3000	0.3	0.3	0.3	0.3	0.3	C800	923A331G17
4000	0.3	0.3	0.3	0.3	0.3	C800	923A331G18
5000	0.3	0.3	0.3	0.3	0.3	C800	923A331G25
Multi-Ratio, IEEE, 5 Terminals							
600	0.3	0.3	0.3	0.3	0.3	C200	923A331G19
1200	0.3	0.3	0.3	0.3	0.3	C400	923A331G20
2000	0.3	0.3	0.3	0.3	0.3	C800	923A331G21
3000	0.3	0.3	0.3	0.3	0.3	C800	923A331G22
4000	0.3	0.3	0.3	0.3	0.3	C800	923A331G23
5000	0.3	0.3	0.3	0.3	0.3	C800	923A331G24

Primary Ampere Rating	IEEE Metering Accuracy					IEEE Relaying Accuracy	Style Number
	B-0.1	B-0.2	B-0.5	B-0.9	B-1.8		
SAB-2 (6.5" window)							
1500	0.3	0.3	0.3	0.3	0.3	C200	923A330G01
2000	0.3	0.3	0.3	0.3	0.3	C200	923A330G02
2500	0.3	0.3	0.3	0.3	0.3	C200	923A330G03
3000	0.3	0.3	0.3	0.3	0.3	C200	923A330G04
4000	0.3	0.3	0.3	0.3	0.3	C200	923A330G05
5000	0.3	0.3	0.3	0.3	0.3	C200	923A330G06
Multi-Ratio, IEEE, 5 Terminals							
2000	0.3	0.3	0.3	0.3	0.3	C200	923A330G07
3000	0.3	0.3	0.3	0.3	0.3	C200	923A330G08
4000	0.3	0.3	0.3	0.3	0.3	C200	923A330G09
5000	0.3	0.3	0.3	0.3	0.3	C200	923A330G10

Primary Ampere Rating	IEEE Metering Accuracy					IEEE Relaying Accuracy	Style Number
	B-0.1	B-0.2	B-0.5	B-0.9	B-1.8		
SAB-2D (6.5" window)							
1500	0.3	0.3	0.3	0.3	0.3	C400	923A332G01
2000	0.3	0.3	0.3	0.3	0.3	C400	923A332G02
2500	0.3	0.3	0.3	0.3	0.3	C400	923A332G03
3000	0.3	0.3	0.3	0.3	0.3	C400	923A332G04
4000	0.3	0.3	0.3	0.3	0.3	C400	923A332G05
5000	0.3	0.3	0.3	0.3	0.3	C400	923A332G06
Multi-Ratio, IEEE, 5 Terminals							
2000	0.3	0.3	0.3	0.3	0.3	C400	923A332G07
3000	0.3	0.3	0.3	0.3	0.3	C400	923A332G08
4000	0.3	0.3	0.3	0.3	0.3	C400	923A332G09
5000	0.3	0.3	0.3	0.3	0.3	C400	923A332G10

Additional styles available upon request. Contact your ABB Sales Representative or call +1-252-827-3212 for more information.



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