

SBT series - 50/60Hz current sensor - 22A

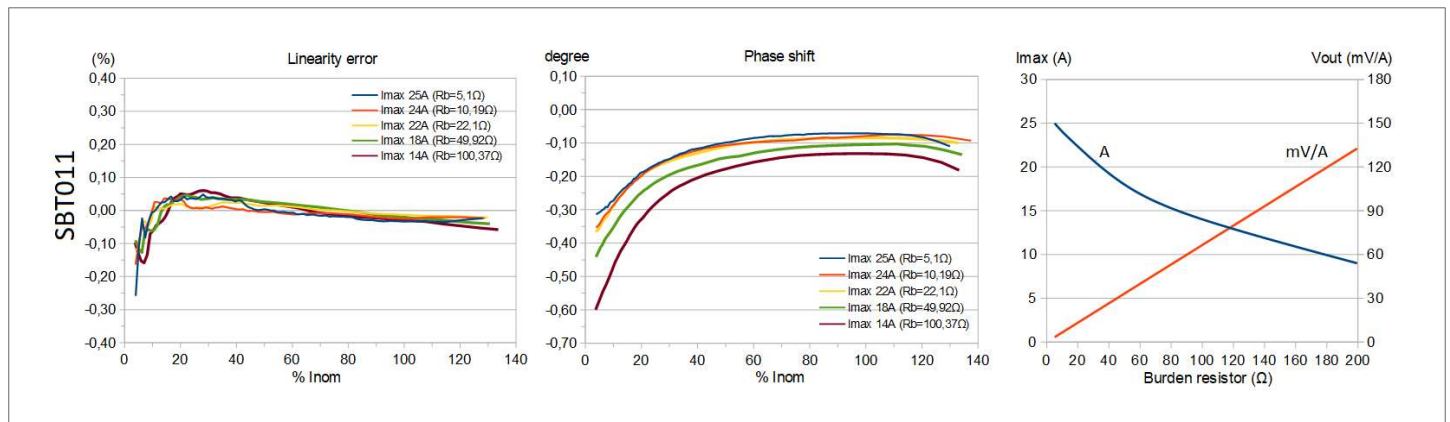
- High precision 50/60Hz current measuring transformers
- Encapsulated in UL94/V-0 epoxy resin
- High insulation between primary/secondary
- Custom versions on request



22A

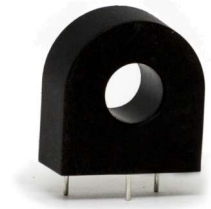
Code	Max Input Current ¹	Nom Input Current ¹	Accuracy Class ²	Burden resistor ³	Sec turns	Dielectric strength ⁴
SBT011	22A	18.3A	0.5	22 Ω	1500	4KV

Dimensions	mm	Drawing	.stp file Download
A max	17.5		
B max	9.7		
H max	21.0		
C typ (Ø)	5.0		
X typ	12.7		
L min	3.0		
D typ (Ø)	0.8		



¹ Accuracy range 5...120% of "Nom Input Current". Currents up to "Max Input Current" x 1.2 can be applied continuously.
 Low current range measurement: it is suggested to increase primary turns number. It reduce proportionally Max/Nom input current and preserve the accuracy typical curves.
² The accuracy class above indicated means that the linearity and phase shift errors are within the tolerances defined on tab.201 of IEC 61869-2, tested at 50Hz-20°C ambient temperature. The standard has not been fully applied since these items are designed as components of electronic equipment.
³ Burden resistor values different than suggested values can be applied. It will affect Max/Nom current, output voltage and precision. See the typical graphs for reference.
⁴ Between sec pins/primary hole internal surface.
^{nb} The user should perform any compliance verification to technical and safety standard requirement according to the application field.

- Very high precision 50/60Hz current measuring transformers
- High output signal level to reduce noise-signal ratio
- High repeatability, actual curves close to typical
- Encapsulated in UL94/V-0 epoxy resin
- High insulation between primary/secondary
- Custom versions on request

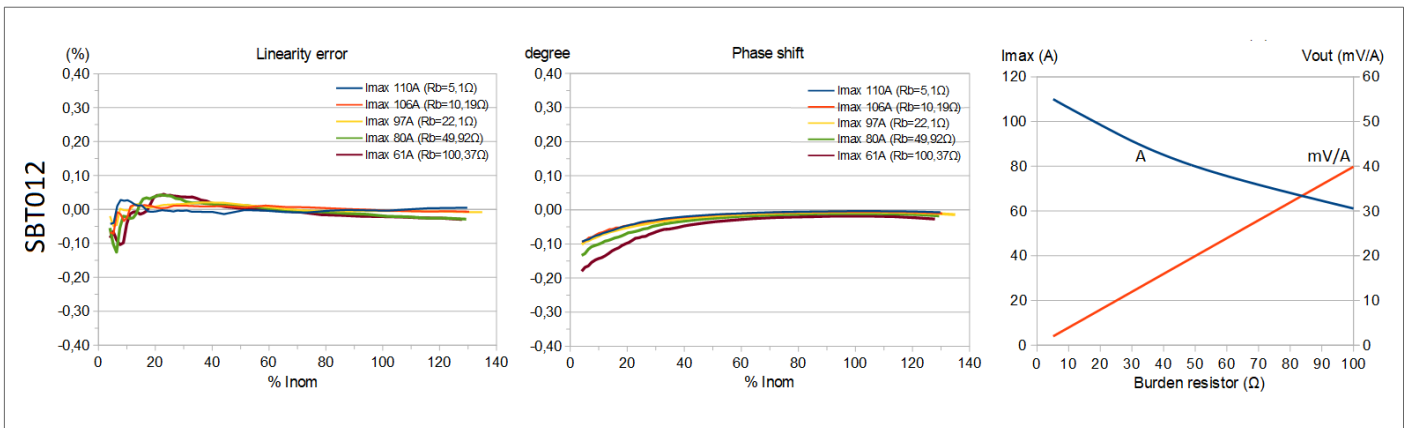


106A

Code	Max Input Current ¹	Nom Input Current ¹	Accuracy Class ²	Burden resistor ³	Sec. turns	Dielectric strength ⁴
SBT012	106A	88.3A	0.1	10 Ω	2500	4KV

Dimensions	mm	Drawing	.stp file Download
A max	24.3		
B max	11.7		
H max	25.5		
C typ (∅)	9.5		
X typ	15.24		
X1 typ	7.62		
Y typ	7.62		
L min	3.5		
D typ (∅)	0.8		

Pin 3 only for mechanical connection



¹ Accuracy range 5...120% of "Nom Input Current". Currents up to "Max Input Current" x 1.2 can be applied continuously.

Low current range measurement: it is suggested to increase primary turns number. It reduce proportionally Max/Nom input current and preserve the accuracy typical curves.

² The accuracy class above indicated means that the linearity and phase shift errors are within the tolerances defined on tab.201 of IEC 61869-2, tested at 50Hz-20°C ambient temperature. The standard has not been fully applied since these items are designed as components of electronic equipment..

³ Burden resistor values different than suggested values can be applied. It will affect Max/Nom current, output voltage and precision. See the typical graphs for reference.

⁴ Between sec pins/primary hole internal surface.

^{nb} The user should perform any compliance verification to technical and safety standard requirement according to the application field.

SBT series - 50/60Hz current sensor - 120A

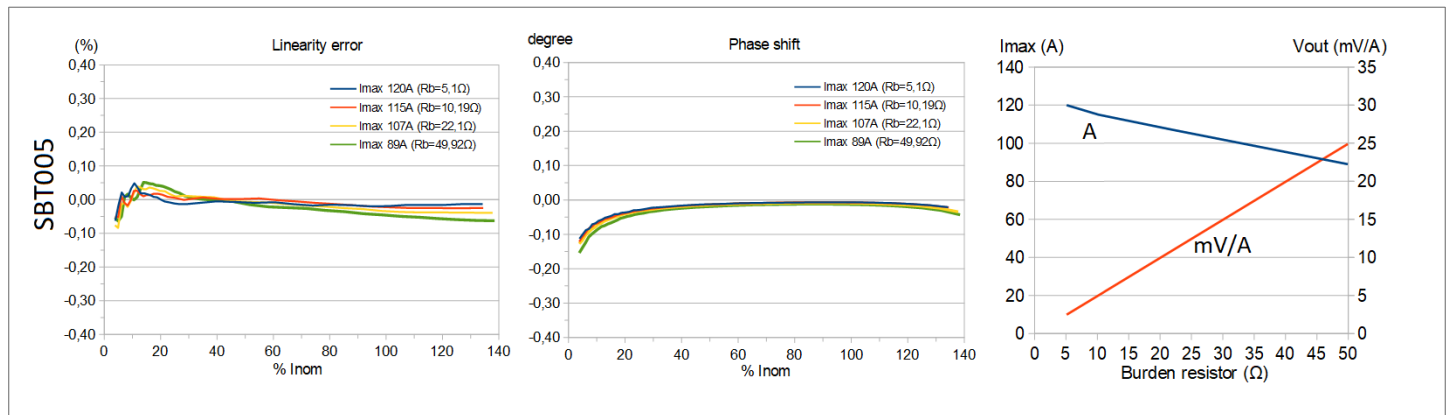
- Very high precision 50/60Hz current measuring transformers
- High output signal level to reduce noise-signal ratio
- High repeatability, actual curves close to typical
- Encapsulated in UL94/V-0 epoxy resin
- High insulation between primary/secondary
- Custom versions on request



120A

Code	Max Input Current ¹	Nom Input Current ¹	Accuracy Class ²	Burden resistor ³	Sec. turns	Dielectric strength ⁴
SBT005	120A	100A	0.1	5 Ω	2000	4KV

Dimensions	mm	Drawing	.stp file Download
A max	24.8		
B max	13.0		
H max	25.4		
C typ (∅)	9.5		
X typ	14.8		
X1 typ	19.0		
Y typ	11.0		
L min	3.5		
D typ (∅)	1.0		



¹ Accuracy range 5...120% of "Nom Input Current". Currents up to "Max Input Current" x 1.2 can be applied continuously.

Low current range measurement: it is suggested to increase primary turns number. It reduce proportionally Max/Nom input current and preserve the accuracy typical curves.

² The accuracy class above indicated means that the linearity and phase shift errors are within the tolerances defined on tab.201 of IEC 61869-2, tested at 50Hz-20°C ambient temperature. The standard has not been fully applied since these items are designed as components of electronic equipment.

³ Burden resistor values different than suggested values can be applied. It will affect Max/Nom current, output voltage and precision. See the typical graphs for reference.

⁴ Between sec pins/primary hole internal surface.

^{nb} The user should perform any compliance verification to technical and safety standard requirement according to the application field.

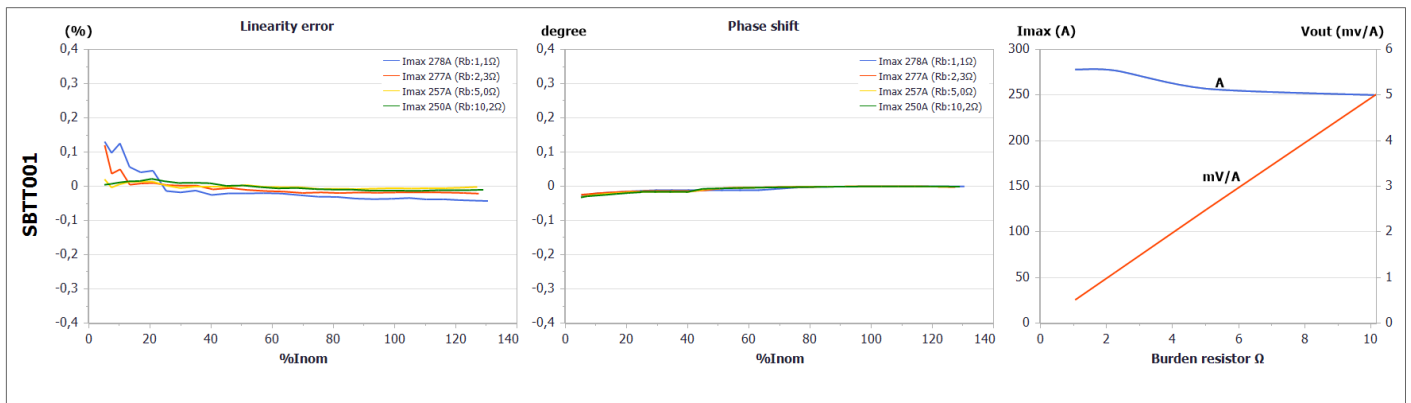
- Very high precision 50/60Hz three-phase current measuring transformers
- High output signal level to reduce noise-signal ratio
- High repeatability, actual curves close to typical
- Encapsulated in UL94/V-0 epoxy resin
- High insulation between primary/secondary
- Custom versions on request



250A

Code	Max Input Current ¹	Nom Input Current ¹	Accuracy Class ²	Burden resistor ³	Sec. turns	Dielectric strength ⁴
SBTT001	250A	208.3A	0.1	10 Ω	3x 2000	3KV

Dimensions	mm	Drawing	.stp file Download
A max	100.5		
B max	28.7		
H max	39.6		
D typ (∅)	9.5		
E typ	30.0		
F typ	4.0		
G typ	12.0		
I typ (∅)	91.0		



¹ Accuracy range 5...120% of "Nom Input Current". Currents up to "Max Input Current" x 1.2 can be applied continuously. Low current range measurement: it is suggested to increase primary turns number. It reduce proportionally Max/Nom input current and preserve the accuracy typical curves.

² The accuracy class above indicated means that the linearity and phase shift errors are within the tolerances defined on tab.201 of IEC 61869-2, tested at 50Hz-20°C ambient temperature. The standard has not been fully applied since these items are designed as components of electronic equipment.

³ Burden resistor values different than suggested values can be applied. It will affect Max/Nom current, output voltage and precision. See the typical graphs for reference.

⁴ Between sec pins/primary hole internal surface.

^{nb} The user should perform any compliance verification to technical and safety standard requirement according to the application field.

SBT series - 50/60Hz current sensor – 46A

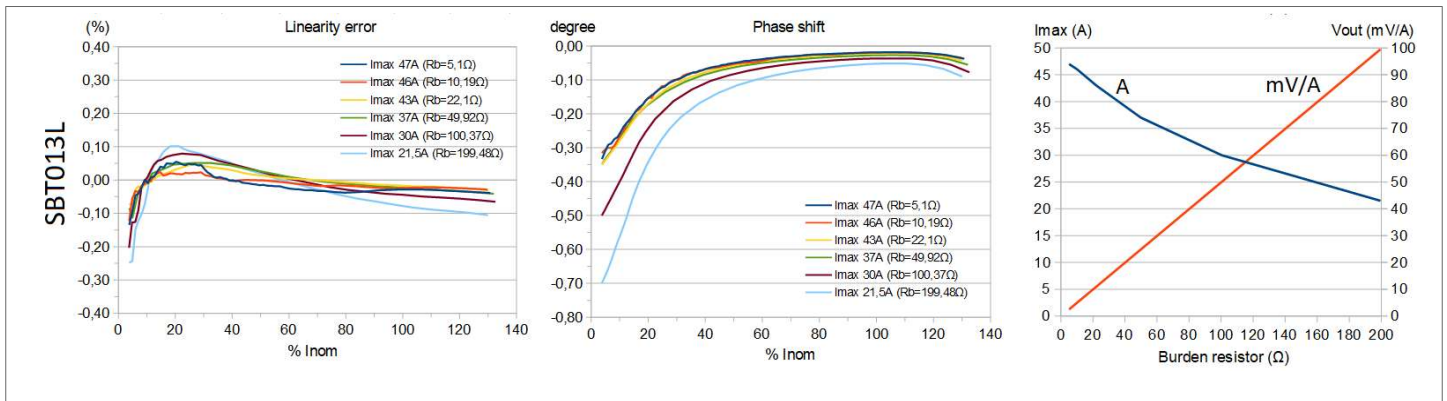
- High precision 50/60Hz leaded current measuring transformers
- Encapsulated in UL94/V-0 epoxy resin
- High insulation between primary/secondary
- Custom versions on request



46A

Code	Max Input Current ¹	Nom Input Current ¹	Accuracy Class ²	Burden resistor ³	Sec. turns	Dielectric strength ⁴
SBT013L	46A	38.3A	0.5	10 Ω	2000	4KV

Dimensions	mm	Drawing	.stp file Download
A max	23.0		
B max	10.4		
H max	26.5		
C typ (Ø)	8.9		
L typ	105.0		



¹ Accuracy range 5...120% of "Nom Input Current". Currents up to "Max Input Current" x 1.2 can be applied continuously.

Low current range measurement: it is suggested to increase primary turns number. It reduce proportionally Max/Nom input current and preserve the accuracy typical curves.

² The accuracy class above indicated means that the linearity and phase shift errors are within the tolerances defined on tab.201 of IEC 61869-2, tested at 50Hz-20°C ambient temperature. The standard has not been fully applied since these items are designed as components of electronic equipment..

³ Burden resistor values different than suggested values can be applied. It will affect Max/Nom current, output voltage and precision. See the typical graphs for reference.

⁴ Between sec pins/primary hole internal surface.

^{nb} The user should perform any compliance verification to technical and safety standard requirement according to the application field.

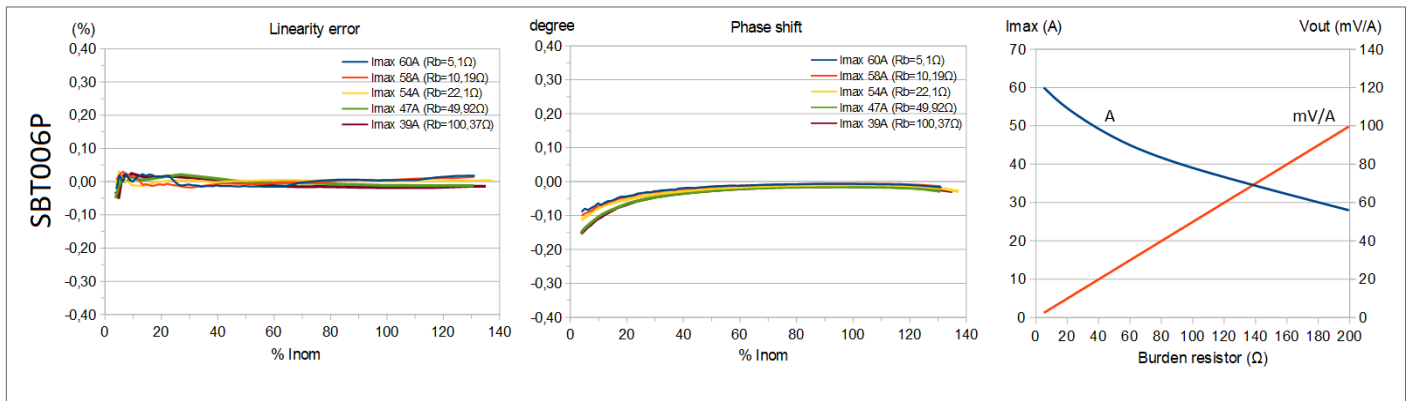
- High precision 50/60Hz current measuring transformers
- Built-in single-turn primary with very low DCR
- Encapsulated in UL94/V-0 epoxy resin
- High insulation between primary/secondary
- Custom versions on request



58A

Code	Max Input Current ¹	Nom Input Current ¹	Accuracy Class ²	Burden resistor ³	Sec. turns	Dielectric strength ⁴
SBT006P	58A	48.3A	0.2	10 Ω	2000	3KV

Dimensions	mm	Drawing	Trise	.stp file Download
A max	25.8			
B max	18.5			
H max	20.5			
X typ	19.0			
X1 typ	6.0			
Y typ	9.0			
Y1 typ	2.0			
L min	2.5			
D typ (∅)	3.5			
D1 typ (∅)	0.8			



¹ Accuracy range 5...120% of "Nom Input Current". Currents up to "Max Input Current" x 1.2 can be applied continuously.
 Low current range measurement: it is suggested to increase primary turns number. It reduce proportionally Max/Nom input current and preserve the accuracy typical curves.
² The accuracy class above indicated means that the linearity and phase shift errors are within the tolerances defined on tab.201 of IEC 61869-2, tested at 50Hz-20°C ambient temperature. The standard has not been fully applied since these items are designed as components of electronic equipment.
³ Burden resistor values different than suggested values can be applied. It will affect Max/Nom current, output voltage and precision. See the typical graphs for reference.
⁴ Between sec pins/primary hole internal surface.
^{nb} The user should perform any compliance verification to technical and safety standard requirement according to the application field.