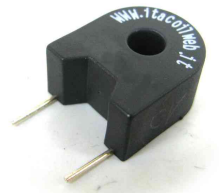


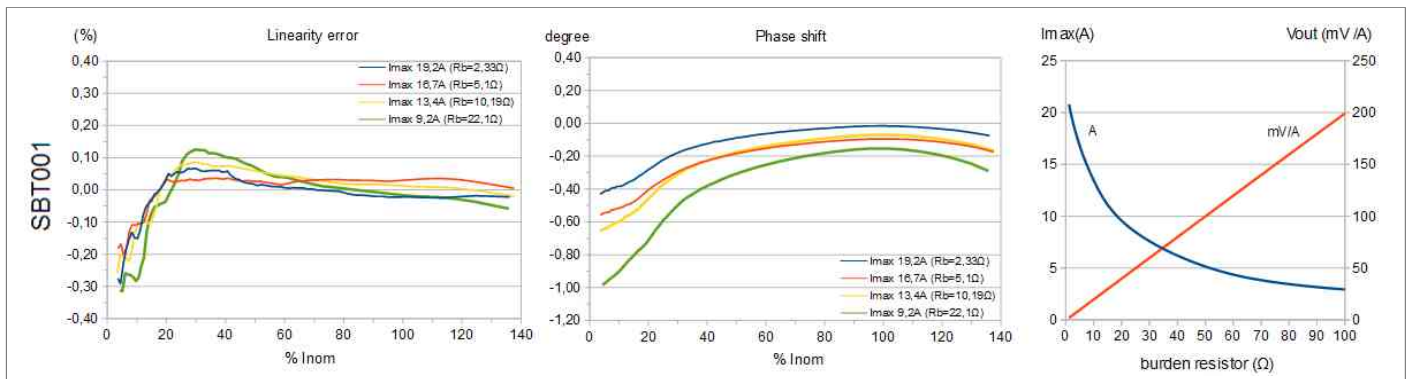
- High precision 50/60Hz current measuring transformers
- Encapsulated in UL94/V-0 epoxy resin
- High insulation between primary/secondary
- Custom versions on request



## 19.2A

Code	Best Accuracy				Highest Currents				Sec Turns	Pri/Sec Dielectric strength <sup>4</sup>
	Max Input Current <sup>1</sup>	Nom Input Current <sup>1</sup>	Accuracy Class <sup>2</sup>	Burden resistor <sup>3</sup>	Max Input Current <sup>1</sup>	Nom Input Current <sup>1</sup>	Accuracy Class <sup>2</sup>	Burden resistor <sup>3</sup>		
SBT001	16,7A	13,9A	0,2-0,5 <sup>5</sup>	5 Ω	19,2A	16A	0,2-0,5 <sup>5</sup>	2,2 Ω	500	4KV

Dimensions	mm	Drawing	.stp file Download
a max	17,3		
b max	9,8		
h max	20,3		
c typ (∅)	5,0		
x typ	12,5		
l min	4,0		
d typ (∅)	0,8		



[Click here](#) (or QR code) to download the excel tool for calculating max current and output signal level in function of the burden resistor value.



<sup>1</sup> 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.

<sup>2</sup> Accuracy class at 50/60Hz (@20°C) as defined on CEI EN 60044-1/tab.11 (not the whole standard is applied since these items are designed as component of electronic equipment). Same accuracy class up to 50°C with 10% current de-rating.

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

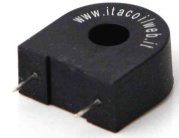
<sup>4</sup> Between sec pins/primary hole internal surface.

<sup>5</sup> Considering the the current amplitude only this product comply the 0,2 accuracy class. Where the phase shift too is considered the transformer comply the 0,5 class.

<sup>nb</sup> The necessary tests and verifications of compliance with the technical and safety standard requirements have to be verified by the customer.

## SBT series - 50/60Hz current sensor - 62A...83A

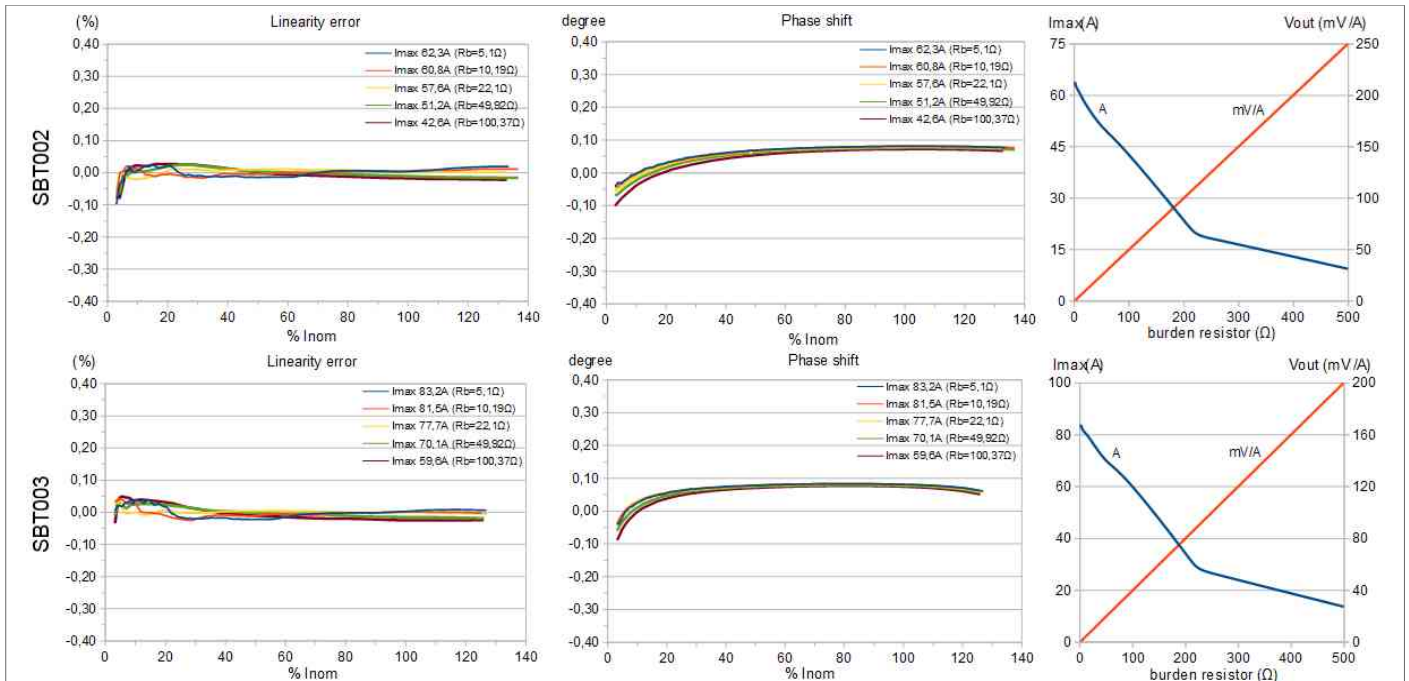
- Very high precision 50/60Hz current measuring transformers
- High output signal level to reduce noise-signal ratio
- High repeatability, actual curves close to typical
- Same accuracy class up to 50°C ambient temperature
- Encapsulated in UL94/V-0 epoxy resin
- High insulation between primary/secondary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



## 62A...83A

Code	Best Accuracy				Highest Currents				Sec Turns	Pri/Sec Dielectric strength <sup>4</sup>
	Max Input Current <sup>1</sup>	Nom Input Current <sup>1</sup>	Accuracy Class <sup>2</sup>	Burden resistor <sup>3</sup>	Max Input Current <sup>1</sup>	Nom Input Current <sup>1</sup>	Accuracy Class <sup>2</sup>	Burden resistor <sup>3</sup>		
SBT002	51A	42,5A	0,1-0,2 <sup>5</sup>	50 Ω	62A	51,6A	0,2	5 Ω	2000	4KV
SBT003	70A	58,3A	0,1-0,2 <sup>5</sup>	50 Ω	83A	69,1A	0,2	5 Ω	2500	4KV

Dimensions	mm	Drawing	.stp file Download
a max	24,6		
b max	12,5		
h max	25,6		
c typ (∅)	8,0		
x typ	15,3		
l min	8,0		
d typ (∅)	0,8		



[Click here](#) to download the excel tool for calculating max current and output signal level in function of the burden resistor value.

<sup>1</sup> 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.

<sup>2</sup> Accuracy class at 50/60Hz (@20°C) as defined on CEI EN 60044-1/tab.11 (not the whole standard is applied since these items are designed as component of electronic equipment). The same accuracy class up to 50°C can be achieved with 10% current de-rating.

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

<sup>4</sup> Between sec pins/primary hole internal surface.

<sup>5</sup> Considering the the current amplitude only this product comply the 0,1 accuracy class. Where the phase shift too is considered the transformer comply the 0,2 class.

<sup>nb</sup> The necessary tests and verifications of compliance with the technical and safety standard requirements have to be verified by the customer.