

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

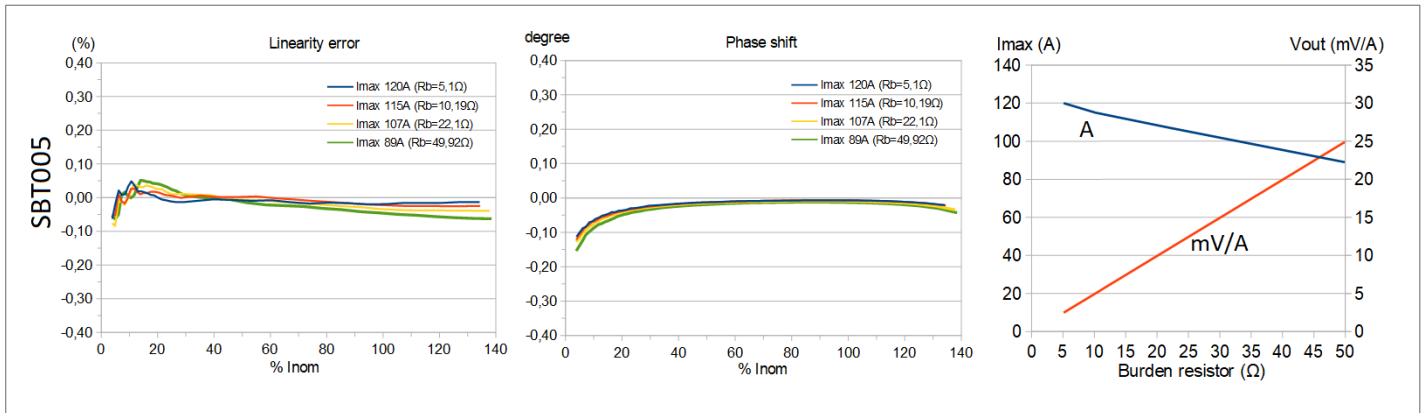
- Very high precision 50/60Hz current measuring transformers
- High output signal level to reduce noise-signal ratio
- High repeatability, actual curves close to typical
- Encapsulated in UL94/V-0 epoxy resin
- High insulation between primary/secondary
- Custom versions on request



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	pins 3 and 4 only for mechanical connection	
B max	13.0		
H max	25.4		
C typ (Ø)	9.5		
X typ	14.8		
X1 typ	19.0		
Y typ	11.0		
L min	3.5		
D typ (Ø)	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.