

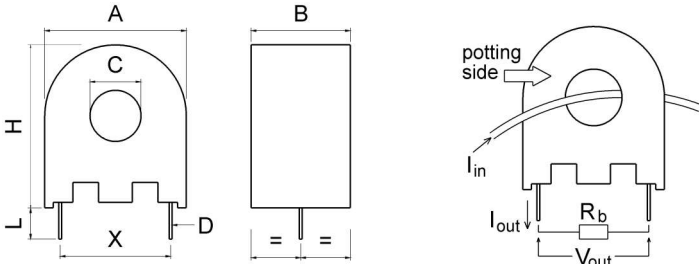
## SBT series - 50/60Hz current sensor - 22A

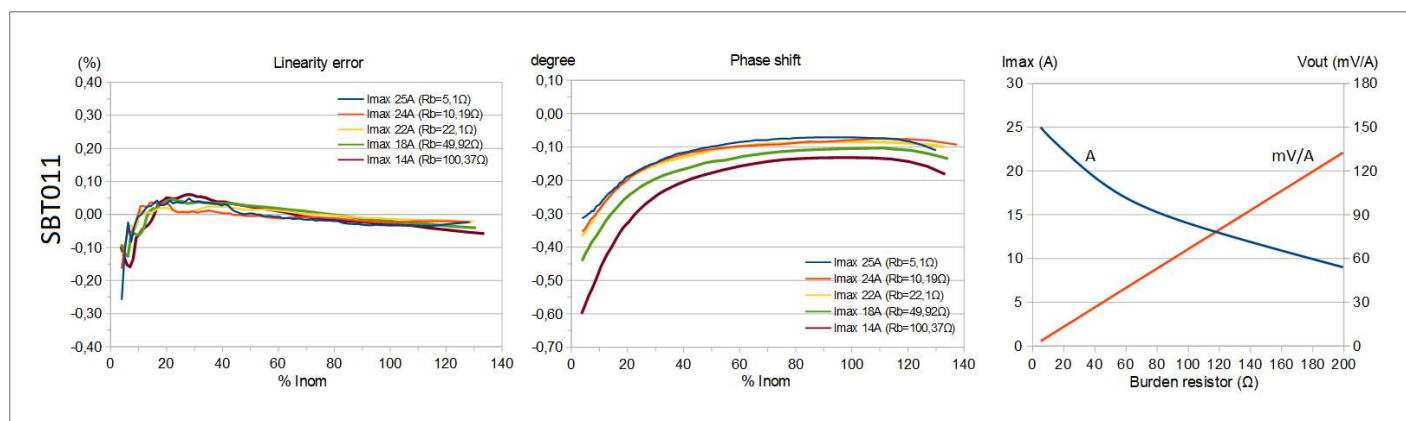
- High precision 50/60Hz current measuring transformers
- Encapsulated in UL94/V-0 epoxy resin
- High insulation between primary/secondary
- Custom versions on request



## 22A

| Code   | Max Input Current <sup>1</sup> | Nom Input Current <sup>1</sup> | Accuracy Class <sup>2</sup> | Burden resistor <sup>3</sup> | Sec turns | Dielectric strength <sup>4</sup> |
|--------|--------------------------------|--------------------------------|-----------------------------|------------------------------|-----------|----------------------------------|
| 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  |                                                                                     |                                                                                     |



<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> 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.

<sup>3</sup> 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.

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

<sup>nb</sup> The user should perform any compliance verification to technical and safety standard requirement according to the application field.