

SATEC AC OUTDOOR SPLIT CORE CURRENT TRANSFORMER

HACS HX0190



The SATEC HX0190 is a split-core current transformer. It can be mounted on existing panels, such as control centers or load centers, to measure or monitor current. These CTs can be installed without the need to remove existing cables, allowing for easier installation.



APPLICATIONS

- Energy and sub-metering products
- Electrical load monitoring
- Power meters
- Power quality monitoring
- Control systems
- Go GREEN initiatives

FEATURES

- Split core type
- 80*105mm window size (ID)
- Rigid case with UL 94V-0 durable plastic

- PVC wire leads 2733 13AWG cable output
- Approximate weight 1890g
- ANSI C57.13 and IEC61869-2 Standards

ADVANTAGE

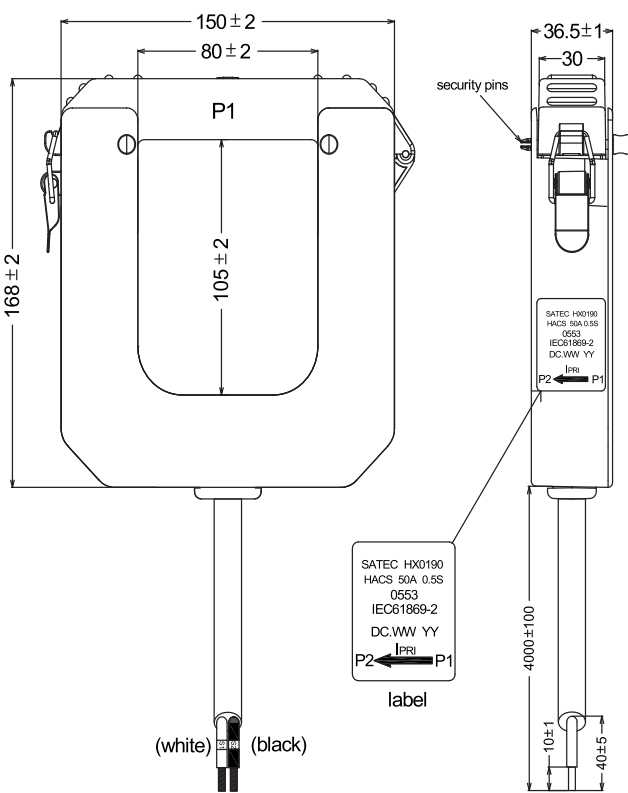
- Easy installation
- Excellent linearity over the whole range
- Compact case
- High isolation between primary and secondary

ELECTRICAL SPECIFICATIONS

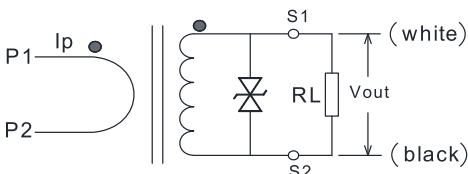
Rated Primary Current(Amp.)	50nom (0.5-100A max.)
Turn Ratio	Np: Ns=1:5000
Current Ratio	50A/10mA
Winding D.C. Resistance at 20°C(Ω)	80max.
Protection Level	6.8Vo (peak)
Accuracy	0.5S
Phase Error at Rated Current Range	≤0.5' (Ttans. Corr.)
Operating Temperature Range	-10 ~ +60°C

Storage Temperature Range	-30 ~ +80°C
Thermal Short-circuit Current, Ith	60 x In
Dynamic Current, Idyn	2.5 x Ith
Maximum Operation Voltage	720Vac
Dielectric Withstanding Voltage (Hi-pot)	4KV/1mA/1min
Frequency Range	50-60 Hz
Insulation Resistanc	DC500V/100MΩ min
Waterproof Level	IP65

MECHANICAL DIMENSIONS IN MM



CONNECTIONS DIAGRAM



Installation on MV-Cables:

HACS transformers can be used for measurements on medium-voltage cables rated at 20 kV and 36 kV, as long as they are installed exclusively on the insulated (protected) section of the cable.