

# Approval Sheets

Approved by

**Item: Split Core Current Transformer**

**Description:  $\phi$  10mm, 70A, 10  $\Omega$ , 3000:**

**1, 0.5class**

**Part No.: ZEMCTK05-14 (1.5m)**

Design by	Check by	Approved by

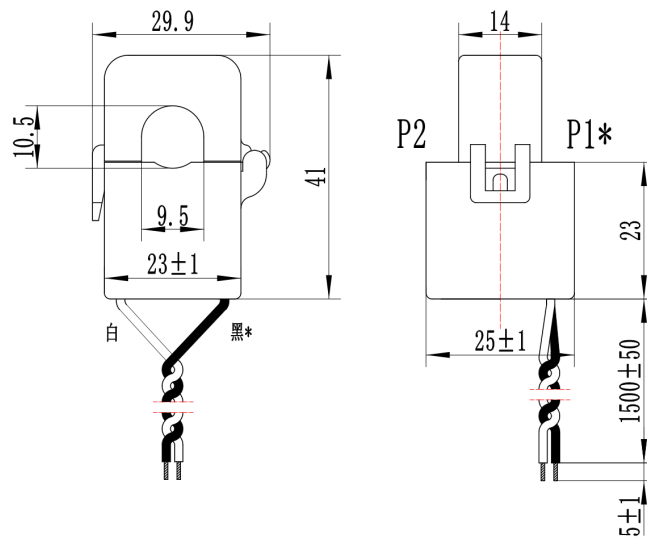
## 1. Specification

Characteristics	Values
Primary current $I_p$	50A
Maximum primary operating current $I_{max}$	70A
Secondary current	16.67mA
Sampling resistor $R_B$	10Ω
Operating frequency	50/60Hz
Operating temperature	-40°C-85°C
Relative humidity	≤95%
Turn ratio	3000: 1
Accurate operating current range	$5\%I_p \sim I_{max}$
Accurate class	0.5
Power-frequency Withstand voltage	3kV/1min
Insulation resistance	≥500MΩ/500VDC
Interturn Insulation	50A/1min

Accuracy Class	With the percentage(%) of $I_p$			
	5	20	100	120

Ratio Error(±%)	1.5	0.75	0.5	0.5
Phase Displacement(± ' )	120	90	90	90

## 2.Dimension



"\*"=="same polarity"

Leading wires: UL1007,22#

### 3. Material List

NO.	Material	Spec, model	UL code	SGS
1	Ferrite core	A10UU20.6L	—	yes
2	Bobbin	PBT	E59481	yes
	Case			
3	Tape	14mm, Flame retardant, Environmental protection	E165111	yes
4	Enameled wire	Φ0.095, 3000turns	E164502	yes
5	Outer covering	PBT, Environmental protection	E238981	yes
6	Leading wires	UL1007-22#, Black, white twisted pair	E315651	yes