

# Approval Sheets

Approved by

**Item: Split Core Current Transformer**

**Description:  $\phi$  24mm, 400A, 10  $\Omega$ , 3000:1**

**Part No.: ZEMCTK08-1**

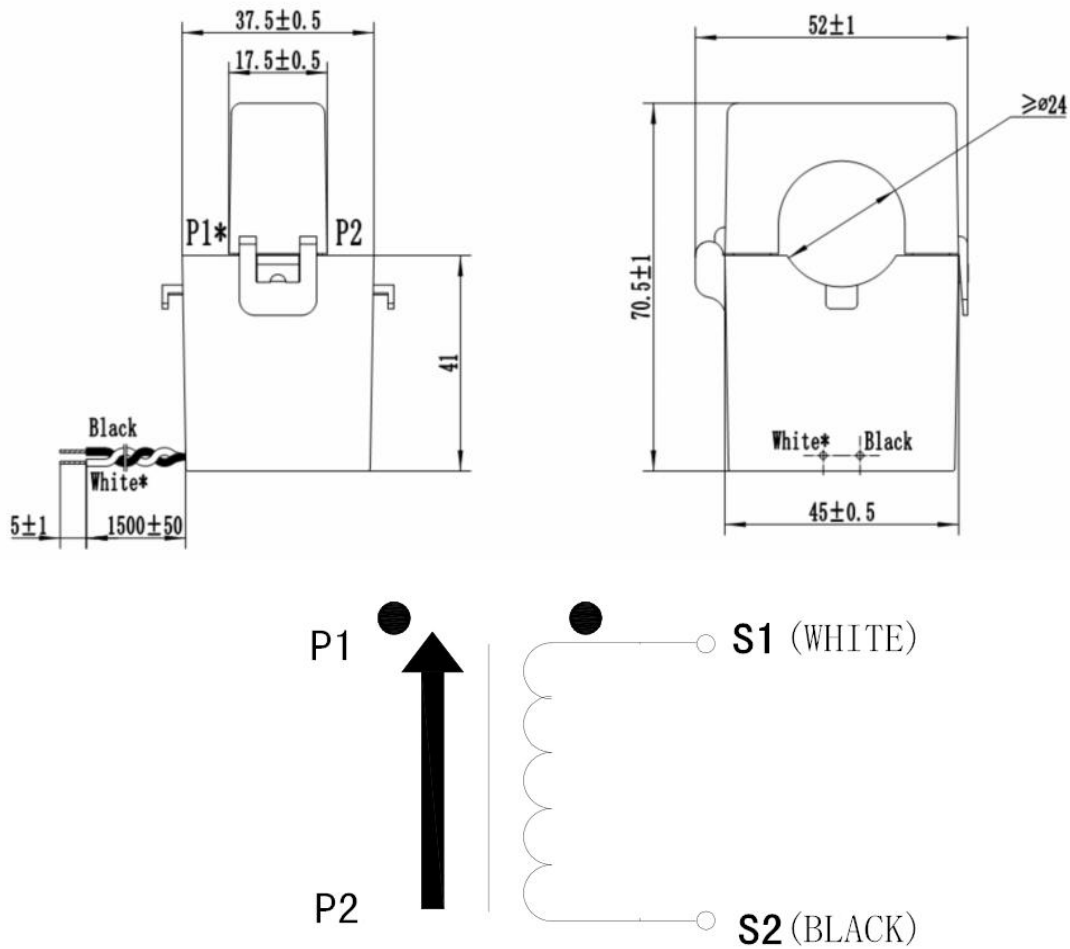
Design by	Check by	Approved by

## 1.Specification

Characteristics	Values
Primary current $I_p$	200A
Maximum primary operating current $I_{max}$	400A
Secondary current	66.67mA
Sampling resistor $R_B$	10 $\Omega$
Operating frequency	50/60Hz
Operating temperature	-40 $^{\circ}$ C-85 $^{\circ}$ C
Relative humidity	$\leq$ 95%
Turn ratio	1:3000
Accurate operating current range	5% $I_p$ ~ $I_{max}$
Accurate class	1.0
Power-frequency Withstand voltage	3kV/1min
Insulation resistance	$\geq$ 500M $\Omega$ /500VDC
Interturn Insulation	200A/1min

Accuracy Class	With the percentage(%) of $I_p$			
	5	20	100	120
Ratio Error( $\pm$ %)	1.5	0.75	0.5	0.5
Phase Displacement( $\pm'$ )	120	90	90	90

## 2.Dimension



## 3.Material List

NO.	Material	Spec, model	UL code	SGS
1	Silicon steel core	/	—	yes
2	Core box	PBT	E332375	yes
3	Tape	Flame retardant, Environmental protection	E165111	yes
4	Enameled wire	3000turns	E258243	yes
5	Outer covering	Environmental protection	E238981	yes
6	Leading wires	Black, white, 22# AVR	E315651	yes