

Approval Sheets

Approved by

Item: Split Core Current Transformer

Description: ϕ 10mm, 70A, 10 Ω , 3000:1, 0.5class

Part No.: ZEMCTK05-14 (1.5m)

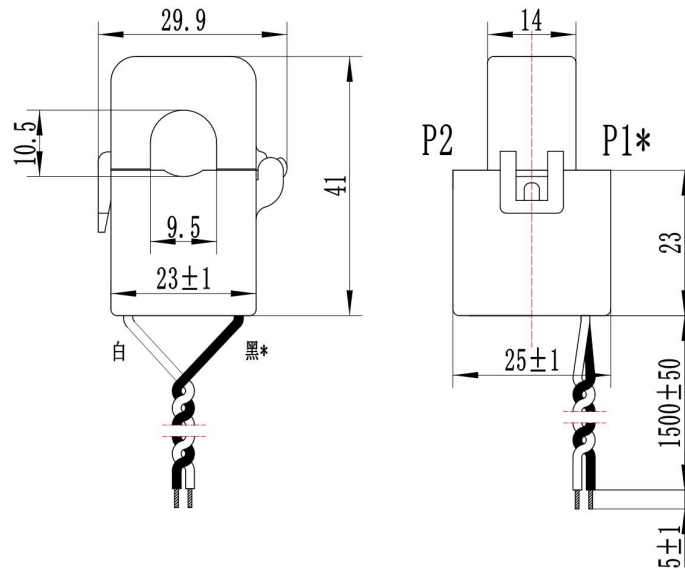
Design by	Check by	Approved by

1. Specification

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



"*"=== "same polarity"

Leading wires: UL1007,22#

3.Material List

NO.	Material	Spec, model	UL code	SGS
1	Ferrite core	A10UU26.6L	—	yes
2	Bobbin	Feiyue	E59481	yes
3	Case			
3	Tape	Flame retardant, Environmental protection	E165111	yes
4	Enameled wire	3000turns	E164502	yes
5	Outer covering	Environmental protection	E238981	yes
6	Leading wires	Black, white twisted pair	E315651	yes