

Approval Sheets

Approved by

Item: Split Core Current Transformer

Description: φ16mm, 120A, 10Ω, 300

0:1, 0.5class

Part No.: ZEMCTK04-13 (1.5m)

Design by	Check by	Approved by

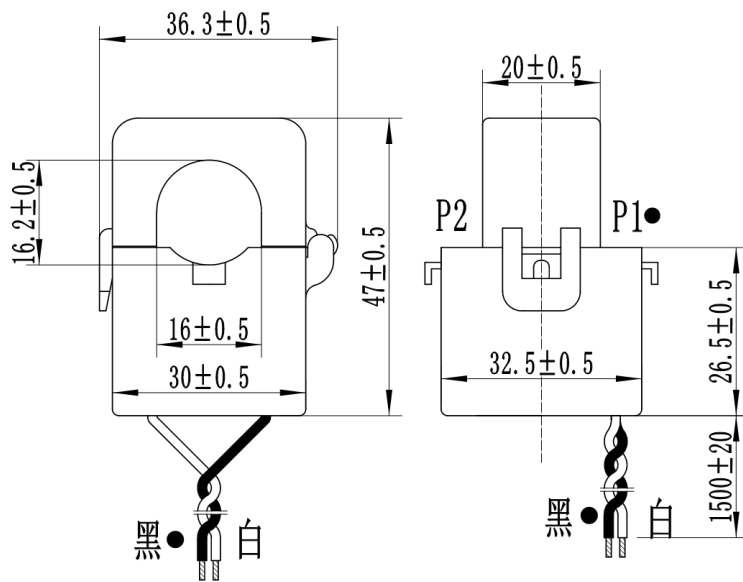
1.Specification

Characteristics	Values
Primary current I_p	100A
Maximum primary operating current I_{max}	120A
Secondary current	33.33mA
Sampling resistor R_B	10 Ω
Operating frequency	50/60Hz
Operating temperature	-40°C-85°C
Relative humidity	≤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	≥500M Ω /500VDC
Interturn Insulation	100A/1min

Accuracy Class	With the percentage(%) of I_p			
	5	20	100	120
Ratio Error(±%)	0.5	0.5	0.5	0.5

Phase Displacement(\pm')	120	90	90	90
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2.Dimension



“●” means same polarity

Lead wire: UL1007, 22#, Twisted pair

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