

Approval Sheets

Approved by

Item: Split Core Current Transformer

Description: φ16mm, 120A, 10Ω,

2000:1, 0.5class

Part No.: ZEMCTK04-35

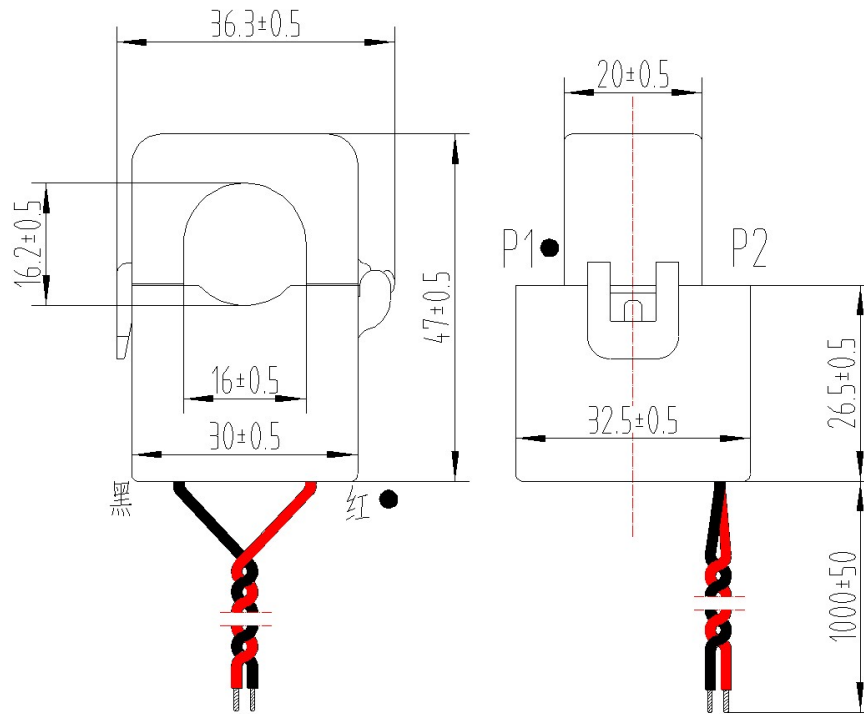
Design by	Check by	Approved by

1.Specification

Characteristics	Values
Primary current I_p	100A
Maximum primary operating current I_{max}	120A
Secondary current	50mA
Sampling resistor R_B	10 Ω
Operating frequency	50/60Hz
Operating temperature	-25 $^{\circ}$ C~+75 $^{\circ}$ C
Relative humidity	\leq 95%
Turn ratio	2000:1
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

Accuracy Class	With the percentage(%) of I_p			
	1	20	100	120
Ratio Error(\pm %)	0.5	0.5	0.5	0.5
Phase Displacement(\pm')	90	90	90	90

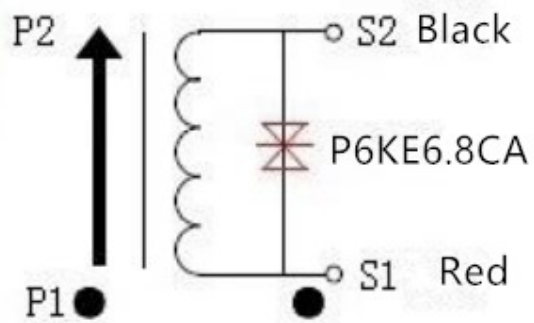
2.Dimension



“●” means same polarity

Lead wire: UL1007, 22#, Twisted pair

3.Schematic Drawing



4.Materials 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	2000turns	E164502	yes
5	Outer covering	Environmental protection	E238981	yes
6	Leading wires	Black, Red twisted pair	E315651	yes
7	DIODE	P6KE6.8CA	E465643	yes