

# Split core current transformer 开口式电流互感器

Application and Features 应用及特点

1. Measurement and protection for instruments 用于仪器仪表测量保护
2. General measurement and protection in power systems for highly mobility or space-constrained or uninterrupted power systems.

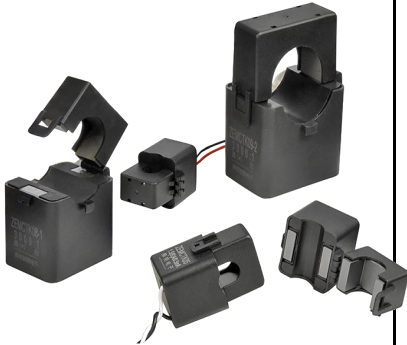
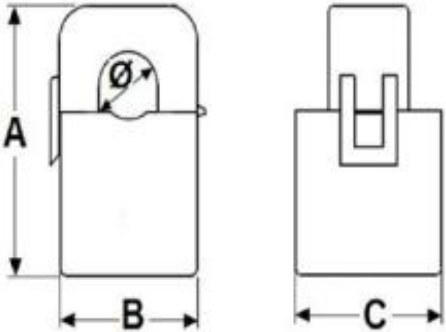
电力系统中对于机动性较强或空间狭促或无间断电力系统中的一般性测量和保护

3. With the split core structure, easy to install, remove, and operate without disconnecting the measured primary conductor.

采用开口磁芯结构，不需断开被测初级导线即可方便的安装，拆除，便于操作

4. beautiful appearance, small size and light weight .设计外观精美，体积小，重量轻。

**The following table shows our standard series for Current Transformers. For specific Current Transformers please send us an inquiry.**

Product photo	Outline size
	

## Technique Index

Electrical Parameter	
Frequency	50-2KHZ
Rated Input	5-630A
Measuring range	10%In-130%In
Rated Output	0.333V(AC) or 0-500mA
Ratio error	$\leq \pm 1.0\%$
Phase angle	$\leq \pm 60\text{min}$
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/100M $\Omega$ min

Mechanical Parameter	
Case	PA /UL94-V0
Bobbin	PBT
Core	Silicon steel
Internal structure	Epoxy
Construction	Tie
Operating Temp	$-40^{\circ}\text{C} \sim +75^{\circ}\text{C}$
Operating Humidity	$\leq 85\%$
Output Connection	UL1007 22AWG Wire (twisted wire)

## Type Selection(Output:mA/V)

Dimensions(mm)	Rated input(A)	Output (mA/V)	Accuracy	Mfg P/N
φ-A-B-C				
10.0-41-23-26	5-75A (5,10,20,50,75)	0-50mA 0.333V	0.5, 1.0, 3.0	ZEMCTK05
16.0-47-30-32.5	5-150A (5,10,50,100,150)	0-100mA 0.333V	0.5, 1.0, 3.0	ZEMCTK04
24.0-70.5-45-37.5	10-250A (10,50,100,200,250)	0-200mA 0.333V	0.5, 1.0, 3.0	ZEMCTK08
35.0-84.5-55.6-40.5	10-630A (20,100,250,400,600)	0-500mA 0.333V	0.5, 1.0, 3.0	ZEMCTK09

## Type Selection ( Output: 1A/5A )

Dimensions(mm)	Input/Output(A)	Burden(VA)/Class				Mfg P/N
		0.2	0.5	1.0	3.0	
24.0-70.5-45-37.5	50/1	...	...	...	1.5	ZEMCTK08
	100/1	...	...	1.5	2.5	
	150/1	...	...	1.5	2.5	
	200/1	...	1.5	2.5	3.75	
	250/1	...	1.5	2.5	3.75	
	300/1	...	1.5	2.5	5	
	400/1	...	1.5	2.5	7.5	
35.0-84.5-55.6-40.5	50/1	...	...	...	1.5	ZEMCTK09
	150/1	...	...	1.5	2.5	
	250/1	...	1.5	2.5	3.75	
	300/1	...	1.5	2.5	5	
	400/1	...	1.5	2.5	5	
	500/1	...	2.5	3.75	7.5	
	600/1	1.5	2.5	5	7.5	
	100/5	...	...	1.5	2.5	
	200/5	...	1.5	2.5	3.75	
	250/5	...	1.5	2.5	3.75	
	300/5	...	1.5	2.5	5	
	400/5	...	1.5	2.5	5	
	500/5	...	2.5	3.75	7.5	
600/5	...	2.5	5	7.5		

### NOTE:

1. Rated Primary current :0-600Aac
2. Rated Secondary current: 1A/5A z
3. Rated load: 1.5,2.5, 3.75, 5.0,7.5VA
4. Accuracy: 0.2, 0.5, 1.0, 3.0 Class
5. Output Connection:UL1015 22AWG Wire 2.5m
6. Forbidden to open the second, otherwise, easy to produce high voltage