

## Split Core Current Transformers SCTK681A Series

Split core CT เป็นอุปกรณ์หม้อแปลงสำหรับคล้องวัดกระแสไฟฟ้า ซึ่งออกแบบมาเป็นพิเศษเพื่อการติดตั้งง่าย โดยไม่ต้องถอดสายหรือบาร์ ช่วยประหยัดทั้งเวลาและค่าใช้จ่าย มีความแม่นยำสูงและปลอดภัย เนื่องจากกระแสไฟด้านขาออกเป็นแบบแรงดันต่ำ

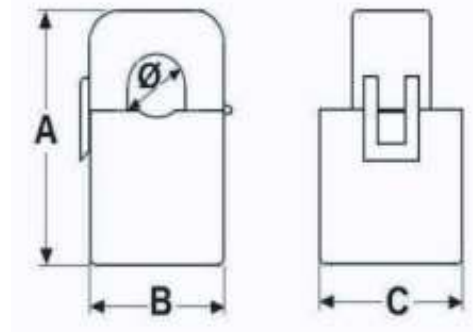
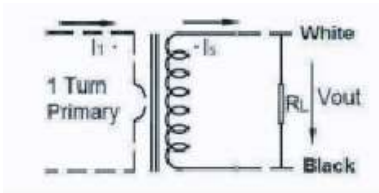
### ◆ Features

- The structure of the self-locking, safe, easy to install, portable
- Wide inner window, allowing clamping of big cables or bus-bars
- Wide range of sizes to accommodate all the existing installations

### ◆ Applications

- Current measurement, monitoring and protection for electrical wiring and equipment
- Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation - control system.
- Current power and energy monitoring device.
- Relay protection device.

### ◆ Circuit connection diagram




### ◆ Technique Index

Electrical Parameter	
Frequency	50-2KHz
Rated Input	5A-630A
Measuring range	10%In-130%In
Rated Output	0.333V(AC) or 0-500mA
Ratio	± 1.0%
Phase angle	± 60 min
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

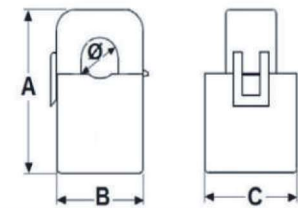
Mechanical Parameter	
Case	PA /UL 94-V0
Bobbin	PBT
Core	Silicon steel
Internal structure	Epoxy
Construction	Tie
Operating Temp	-25°C ~ +75°C
Operating Humidity	≤85%
Output Connection	UL1015 20AWG Wire(twisted wire) 2.5m

Mfg P / N	Rated Input (A)	Output (mA/V)	Accuracy	Dimensions(mm/inch)			
				∅	A	B	C
SCTK681A-005	5-20A (5, 8A, 10, 15, 20)	0-25mA 0.333V	0.5, 1.0, 3.0,	5.0 (0.20)	31.5 (1.24)	19.5 (0.77)	21.0 (0.83)
SCTK681A-010	5-20A (5, 10, 20, 50, 75)	0-50mA 0.333V	0.5, 1.0, 3.0,	10.0 (0.39)	41.0 (1.61)	24.0 (0.94)	26.5 (1.04)
SCTK681A-016	5-20A (5, 10, 50, 100, 150)	0-100mA 0.333V	0.5, 1.0, 3.0,	16.0 (0.63)	45.5 (0.22)	29.0 (1.14)	31.5 (1.24)

Split Core Current Transformers  
**SCTK681A Series**

Mfg P / N	Input/Output (A)	Burden(VA)/Class				Product Description
		0.2	0.5	1.0	3.0	
SCTK681A-024	50/1	-	-	-	1.5	
	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	

SPLIT CORE CT				
NO	XIAMEN ZT CODE	INPUT/OUTPUT	ACCURACY	PRICE
1	SCTK681A-010	50A/333mV	0.5	750
2	SCTK681A-016	100A/333mV	0.5	900
3	SCTK681A-024	200A/333mV	0.5	1,750
4	SCTK681A-024	50A/1A	3.0	1,530
5	SCTK681A-024	100A/1A	1.0	1,850
6	SCTK681A-024	150A/1A	1.0	1,600
7	SCTK681A-024	200A/1A	1.0	1,650
8	SCTK681A-024	250A/1A	1.0	1,680
9	SCTK681A-035	300A/1A	1.0	2,290
10	SCTK681A-035	400A/1A	1.0	2,350
11	SCTK681A-024	100A/5A	1.0	1,590
12	SCTK681A-035	150A/5A	1.0	2,150
13	SCTK681A-035	200A/5A	1.0	2,150
14	SCTK681A-035	250A/5A	1.0	2,290
15	SCTK681A-035	400A/5A	1.0	2,350
16	SCTK681A-035	600A/5A	1.0	2,450



Dimensions(mm/inch)

Type	Ø	A	B	C
681A-024	24.5 (0.96)	65.0 (2.56)	45.0 (1.77)	40.0 (1.57)
681A-035	35.7 (1.41)	81.5 (3.21)	57.0 (2.24)	51.0 (2.01)