

SCTK752C Series

The SCTK752C series switchable transformer is an improved version of traditional transformers. Made into a free opening and closing type, it can be quickly installed and disassembled without power outage or interruption, and is easy to operate. This series of products has a wide measurement range, with a rated primary current range of 5~5000A, a rated secondary current range of 0~5A, and a current ratio range of 50:1~5000:1. The orderly manufacturing process ensures its accuracy level, reliability, and other technical requirements.

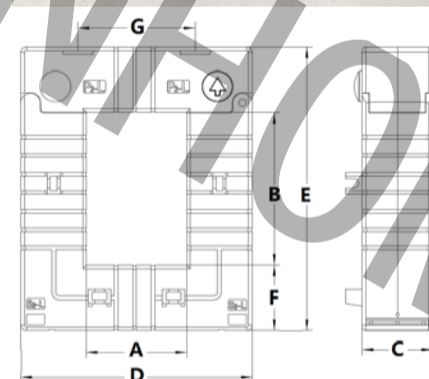
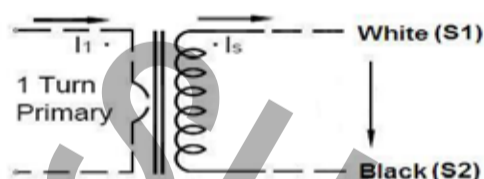
◆ Features

- Double screw tight structure with good consistency
- Using high magnetic conductivity silicon steel, with good linearity and high sensitivity
- Internal epoxy resin casting, good stability, light weight, easy installation

◆ Applications

- Suitable for devices such as power measurement, power quality analysis, active filters
- Suitable for power demand side management of lighting equipment, motors, power devices, and other equipment

◆ Circuit connection diagram



◆ Designation

Electrical Parameter	
Frequency	50-400Hz
Rated Input	5A-5000A
Measuring range	5%In-130%In
Rated Output	0-5A
Ratio	$\leq \pm 0.2\%$
Phase angle	$\leq \pm 10'$
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	PC/UL94-V0
Bobbin	PBT
Core	Silicon steel
Internal structure	Ultrasonic welding
Construction	Screw fixation
Operating Temp	$-25^{\circ}\text{C} \sim +75^{\circ}\text{C}$
Operating Humidity	$\leq 85\%$
Output Connection	Terminal

◆ Type Selection(Output 1A/5A)

P/N	Rated Input (A)	Output (A)	Accuracy	Dimensions(mm)						
				A	B	C	D	E	F	G
SCTK752C(23)	100-400A	1A/5A	0.2, 0.5	24.0	32.0	38.0	95.0	103.0	35.5	33.0
SCTK752C(38)	250-1500A	1A/5A	0.2, 0.5	34.0	82.0	38.0	105.0	153.0	35.5	43.0
SCTK752C(310)	500-2000A	1A/5A	0.2, 0.5	34.0	102.0	38.0	105.0	173.0	35.5	43.0
SCTK752C(312)	800-2500A	1A/5A	0.2, 0.5	34.0	122.0	38.0	105.0	193.0	35.5	43.0
SCTK752C(313)	1000-4000A	1A/5A	0.2, 0.5	34.0	132.0	38.0	105.0	203.0	35.5	43.0

SCTK752C(46)	250-1200A	1A/5A	0.2、0.5	44.0	62.0	38.0	115.0	133.0	35.5	53.0
SCTK752C(58)	250-1500A	1A/5A	0.2、0.5	54.0	82.0	38.0	125.0	153.0	35.5	63.0
SCTK752C(510)	500-2000A	1A/5A	0.2、0.5	54.0	102.0	38.0	125.0	173.0	35.5	63.0
SCTK752C(512)	800-2500A	1A/5A	0.2、0.5	54.0	122.0	38.0	125.0	193.0	35.5	63.0
SCTK752C(513)	1000-4000A	1A/5A	0.2、0.5	54.0	132.0	38.0	125.0	203.0	35.5	63.0
SCTK752C(88)	250-1500A	1A/5A	0.2、0.5	84.0	82.0	38.0	155.0	153.0	35.5	93.0
SCTK752C(812)	800-2500A	1A/5A	0.2、0.5	84.0	122.0	38.0	155.0	193.0	35.5	93.0
SCTK752C(814)	1000-5000A	1A/5A	0.2、0.5	84.0	142.0	38.0	155.0	213.0	35.5	93.0
SCTK752C(816)	1500-5000A	1A/5A	0.2、0.5	84.0	162.0	38.0	155.0	233.0	35.5	93.0
SCTK752C(820)	2000-6000A	1A/5A	0.2、0.5	84.0	202.0	38.0	155.0	273.0	35.5	93.0
SCTK752C(1026)	2000-6000A	1A/5A	0.2、0.5	104.0	262.0	38.0	175.0	333.0	35.5	113