

STSC Series



STSC range of split core current transformers are designed in particular for easy installation, the quick release button makes the ct the most convenient to fit around cables without cutting off the circuitry. STSC has advantages of bigger capacity and bigger mounting hole size, could be used in more power applications.

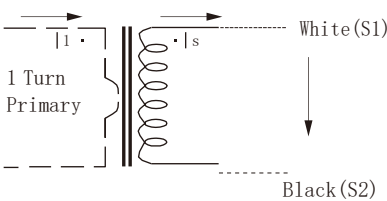
Features

- One button clamp-on design, safe, easy to install, portable
- Two built in fixing methods: Base; Busbar mounting
- Wide inner window, allowing clamping of big cables or bus-bars
- Wide range of sizes to accommodate all the existing installations. Primary current from 5A to 5000A

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	50-400Hz
Rated Input	5A-5000A
Measuring range	5%In-130%In
Rated Output	0-5A
Ratio	≤±0.5%
Phase angle	≤±30min
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	PC/UL94-V0
Bobbin	PBT
Core	Silicon steel
Internal structure	Epoxy
Construction	Screw
Operating Temp	-25℃~+75℃
Operating Humidity	≤85%
Output Connection	Terminal

STSC Series

STANDARD

IEC6044-1, EN60044-1, VDE0414-44-1, GB1208-2006

Specification



Model	Nominal current ratio	Burden(VA)/Accuracy		Overall and installing dimensions (mm)
		0.5	1.0	
STSC23	100/5A	...	2.5	
	150/5A	...	2.5	
	200/5A	2.5	3.75	
	250/5A	3.75	3.75	
	300/5A	5	5	
	400/5A	5	5	

Specification



Model	Nominal current ratio	Burden(VA)/Accuracy		Overall and installing dimensions (mm)
		0.5	1.0	
STSC58	250/5A	...	2.5	
	300/5A	2.5	2.5	
	400/5A	3.75	5	
	500/5A	5	5	
	600/5A	5	5	
	750/5A	7.5	7.5	
	800/5A	7.5	7.5	
	1000/5A	10	10	

Specification



Model	Nominal current ratio	Burden(VA)/Accuracy		Overall and installing dimensions (mm)
		0.5	1.0	
STSC812	500/5A	2.5	5	
	600/5A	2.5	5	
	750/5A	5	5	
	800/5A	5	5	
	1000/5A	5	5	
	1200A	7.5	10	
	1250A	7.5	10	
	1500A	10	10	
	1600A	10	10	
	2000A	10	15	
	2500A	10	15	



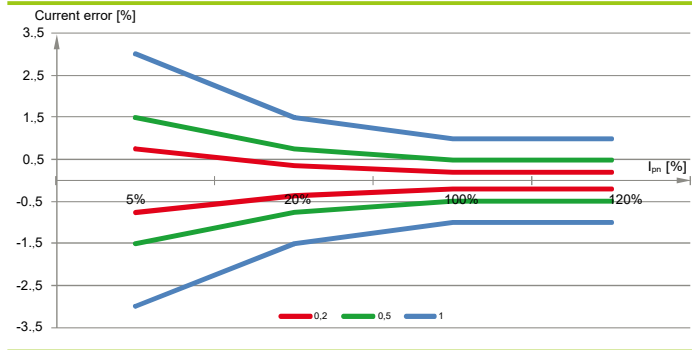
Model	Nominal current ratio	Burden(VA)/Accuracy		Overall and installing dimensions (mm)
		0.5	1.0	
STSC816	1000/5A	10	15	
	1200A	10	15	
	1500A	10	15	
	1600A	10	15	
	2000A	10	15	
	2500A	10	15	
	3000/5A	15	30	
	4000/5A	15	30	
	5000/5A	15	30	

STEFAN

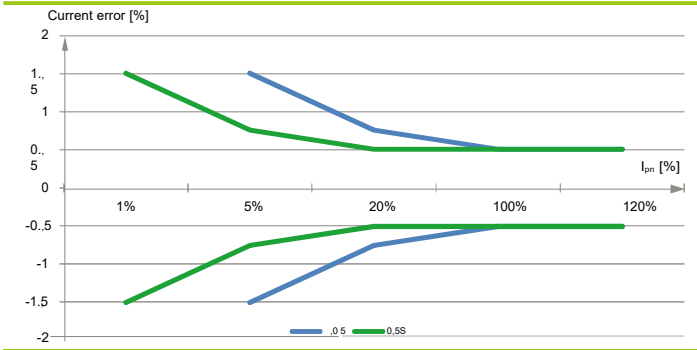
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Accuracy class characteristics:

a) classes 0.2; 0.5; 1



b) comparison of classes 0.5 and 0.5S



CAUTION

Before installation, safety precautions must be followed by licensed professional.
Never energize primary unless short circuited terminals or burden connected to secondary.