

STH Series

Low-voltage current transformers



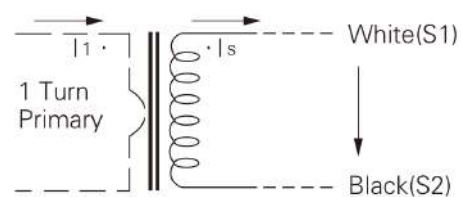
For measurement, monitoring and protection of AC electrical equipment, with rated voltage below 720 V and frequency of 50-60 Hz.

Features & Applications

Easy installation and a wide window for large cables or busbars.
Multiple sizes suit a range of installations.

Current, power and energy monitoring; electrical equipment and motor circuits; lighting, HVAC and automation; relay protection.

Circuit Connection



Electrical Data

Frequency	50/60 Hz
Rated input	1-5000 A
Measuring range	5-120% I_n
Rated output	1 A / 5 A
Rated voltage	0.72 kV AC
Dielectric strength	3 kV / 1 mA / 1 min
Insulation resistance	$\geq 100 \text{ M}\Omega$ at 500 V DC

Mechanical Data

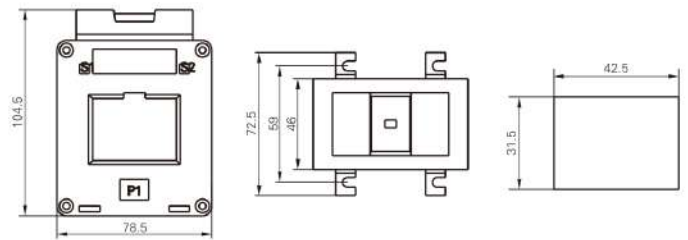
Case	PC / UL94-V0
Bobbin	PBT
Core	Silicon steel
Construction	Screw
Operating temperature	-25°C to +75°C
Operating humidity	$\leq 85\%$
Output connection	Terminal

Ratings & Dimensions

STH-40

Ratio / A	Burden / VA Class 0.5	Burden / VA Class 1.0
150/5	2.5	10.0
200/5	5	5
250/5	5	5
300/5	5	5
400/5	5	5
500/5	10	10
600/5	10	10

Dimensions / mm

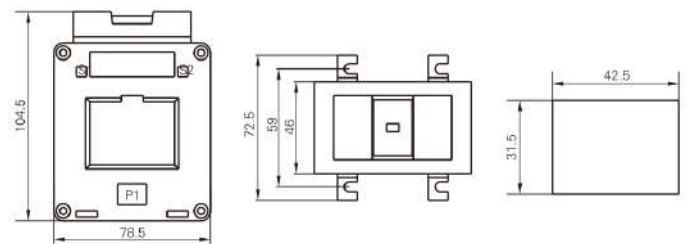


Rated frequency: 50/60 Hz

STH-50

Ratio / A	Burden / VA Class 0.5	Burden / VA Class 1.0
200/5	5	5
250/5	5	5
300/5	5	5
400/5	5	5
500/5	5	5
600/5	10	10
750/5	10	10
800/5	10	10

Dimensions / mm



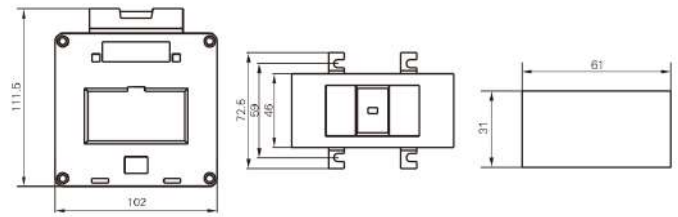
Rated frequency: 50/60 Hz

Ratings & Dimensions

STH-60

Ratio / A	Burden / VA Class 0.5	Burden / VA Class 1.0
300/5	5	5
400/5	5	5
500/5	5	5
600/5	5	5
750/5	5	5
800/5	10	10
1000/5	10	10
1200/5	10	10

Dimensions / mm

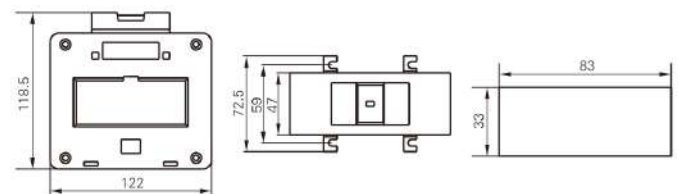


Rated frequency: 50/60 Hz

STH-80

Ratio / A	Burden / VA Class 0.5	Burden / VA Class 1.0
750/5	5	5
800/5	5	5
1000/5	10	10
1200/5	10	10
1500/5	10	10
1600/5	10	10
2000/5	15	15

Dimensions / mm



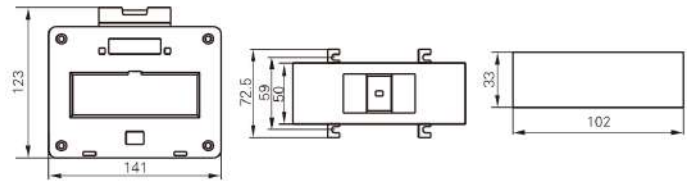
Rated frequency: 50/60 Hz

Ratings & Dimensions

STH-100

Ratio / A	Burden / VA Class 0.5	Burden / VA Class 1.0
1000/5	10	10
1200/5	20	10
1500/5	20	10
2000/5	20	10
2500/5	30	30
3000/5	30	30

Dimensions / mm

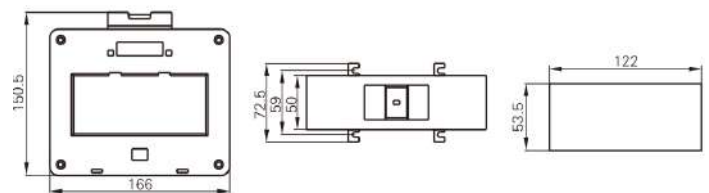


Rated frequency: 50/60 Hz

STH-120

Ratio / A	Burden / VA Class 0.5	Burden / VA Class 1.0
1500/5	20	30
1600/5	20	30
2000/5	20	30
2500/5	20	30
3000/5	20	30
4000/5	20	30

Dimensions / mm



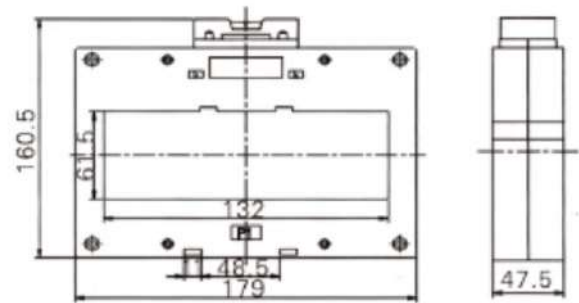
Rated frequency: 50/60 Hz

Ratings & Dimensions

STH-130

Ratio / A	Burden / VA Class 0.5	Burden / VA Class 1.0
1500/5	20	30
1600/5	20	30
2000/5	20	30
2500/5	20	30
3000/5	20	30
4000/5	20	30
5000/5	20	30
6000/5	20	30

Dimensions / mm

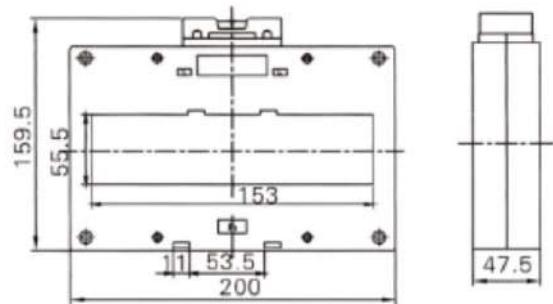


Rated frequency: 50/60 Hz

STH-150

Ratio / A	Burden / VA Class 0.5	Burden / VA Class 1.0
1000/5	15	15
1250/5	15	15
1500/5	15	15
1600/5	15	15
2000/5	15	20
2500/5	15	20
3000/5	15	20
3200/5	15	20
3500/5	15	20
4000/5	15	20
5000/5	15	20
6000/5	20	30
7500/5	20	30
8000/5	20	30

Dimensions / mm



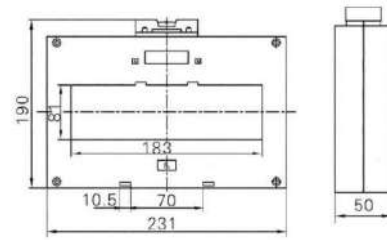
Rated frequency: 50/60 Hz

Ratings & Dimensions

STH-180

Ratio / A	Burden / VA Class 0.5	Burden / VA Class 1.0
1000/5	15	15
1250/5	15	15
1500/5	15	15
1600/5	15	15
2000/5	15	20
2500/5	15	20
3000/5	15	20
3200/5	15	20
3500/5	15	20
4000/5	15	20
5000/5	15	20
6000/5	20	30
7500/5	20	30
8000/5	20	30
10000/5	20	30

Dimensions / mm

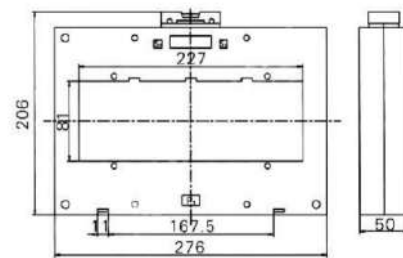


Rated frequency: 50/60 Hz

STH-220

Ratio / A	Burden / VA Class 0.5	Burden / VA Class 1.0
3000/5	20	20
4000/5	20	20
5000/5	20	20
6000/5	30	30
7000/5	30	30
7500/5	30	30
8000/5	30	30
10000/5	30	30

Dimensions / mm



Rated frequency: 50/60 Hz

Accuracy Class Characteristics

