



ST50

- From 300A to 1000A Primary currents
- 5A or 1A Secondary output
- 74mm width
- 41mm cable aperture
- Sealable terminal cover
- Supplied with mounting feet
- Compact design
- Indication of primary current flow (arrows on case body)

CE RoHS

Product Description

The ST50 Series forms part of a large family of solid core single phase moulded case current transformers from **Stefan Electric**.

These transformers are suitable for monitoring current flow in commercial, industrial or utility applications. They are designed to connect any standard metering or relay product requiring a 5A or 1A output and are available with Primary current input ranges from 300A to 1000A.

The ST50 Series have been designed for ease of installation with fixing feet. They also have clear markings moulded into the case to indicate the correct direction of primary current flow to minimize installation errors.

Technical Data / Product Selection

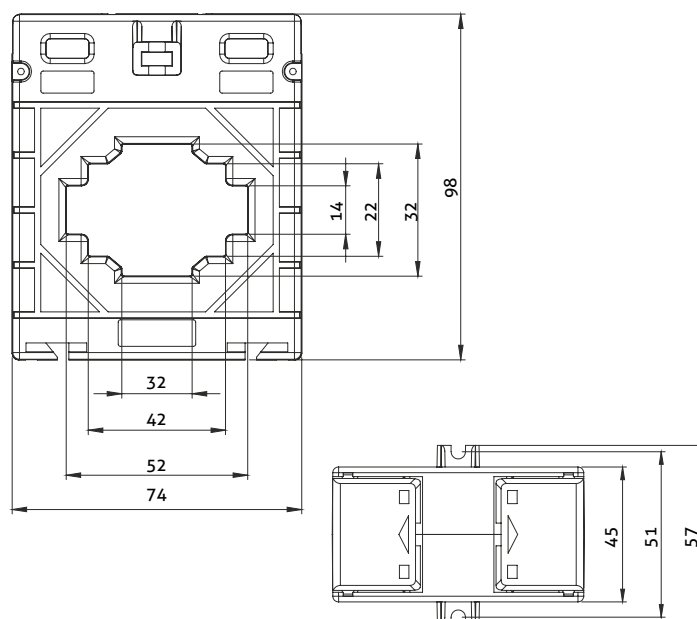
Description				Class	
Series	Code	Hole (MM)	Primary (A)	Class 0.5	Class 1.0
ST 50	ST50-300	50	300	5VA	5VA
	ST50-400	50	400	5VA	5VA
	ST50-500	50	500	5VA	5VA
	ST50-600	50	600	5VA	5VA
	ST50-750	50	750	10VA	10VA
	ST50-800	50	800	10VA	10VA
	ST50-1000	50	1000	15VA	15VA

Available with 5A or 1A Secondary

Rated Standard

Rated Primary Current (I_{pr})	300...1000A
Frequency Range (f_r)	47...63Hz
Rated continuous over current	1.2 x rated current
Rated short time thermal current (I_{th})	<60 I
Rated dynamic current (I_{dyn})	2.5I _{th}
Instrument security factor (FS)	5
Rated Secondary output (V_{sr})	5A or 1A
Accuracy class	Class 0.5 and Class 1 IEC/EN61869-2

Dimensions (mm)



Rated Standard

Insulation type	Dry transformer, air insulation
Highest voltage U_m	0.72kV r.m.s.
Rated insulation level	3kV r.m.s. 50Hz/1 min

Environmental Conditions

Reference temperature	23°C ±1°C
Nominal temperature range	-25°C...50°C
Daily mean temperature	≤ 30°C
Limit temperature range for storage	-40°C...85°C
Relative humidity	≤85% non condensing

Housing

Housing material	Non - Flammable, Self extinguishing ABS / Polycarbonate
Protection degree (IEC/EN60529)	IP40 housing, Terminals IP20
Mounting	Foot mounting

Connections

Primary winding	Passing cable
Secondary winding	Screw clamp connection - 6mm