



ST100

- From 1000A to 4000A Primary currents
- 5A or 1A Secondary output
- 140mm width
- 35mm 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 ST100 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 1000A to 4000A.

The ST100 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 minimise installation errors.

Rated Standard

Rated Primary Current (I_{pr})	1000...4000A
Frequency Range (f)	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 0.2S, Class 0.5 and Class 1 IEC/EN61869-2

Rated Standard

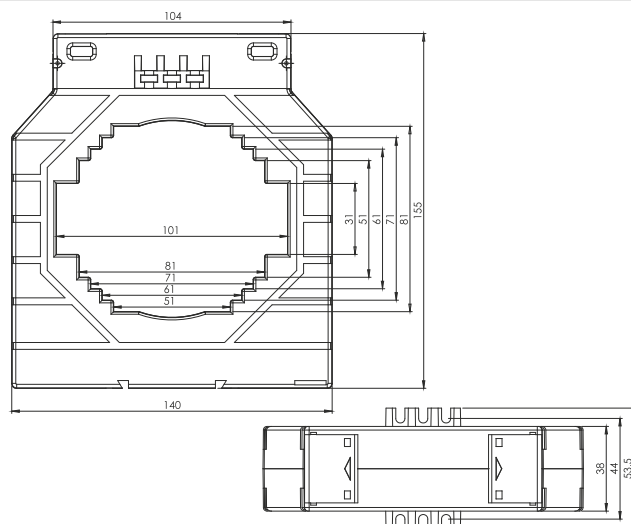
Insulation type	Dry transformer, air insulation
Highest voltage U_m	0.72kV r.m.s.
Rated insulation level	3kV r.m.s. 50Hz/1 min

Technical Data / Product Selection

Description				Class		
Series	Code	Hole (MM)	Primary (A)	Class 0.2s	Class 0.5	Class 1.0
ST 100	ST100-1000	100	1000	-	10 VA	20 VA
	ST100-1200	100	1200	-	10 VA	15VA
	ST100-1250	100	1250	-	10 VA	15 VA
	ST100-1500	100	1500	-	10 VA	15 VA
	ST100-1600	100	1600	5 VA	10 VA	15 VA
	ST100-2000	100	2000	-	15 VA	30 VA
	ST100-2400	100	2400	5 VA	15 VA	30 VA
	ST100-2500	100	2500	5 VA	15VA	30 VA
	ST100-3000	100	3000	-	15 VA	30 VA
	ST100-3200	100	3200	-	15 VA	30 VA
	ST100-4000	100	4000	-	15 VA	30 VA

Available with 5A or 1A Secondary

Dimensions (mm)



V-21.05

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