



Ø 105mm

ST80

- From 800A to 2500A Primary currents
- 5A or 1A Secondary output
- 105 mm 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 ST80 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 800A to 2500A.

The ST 80 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.

Technical Data / Product Selection

Description				Class		
Series	Code	Hole (MM)	Primary (A)	Class 0.2s	Class 0.5	Class 1.0
ST 80	ST80-800	80	800	-	10 VA	15 VA
	ST80-1000	80	1000	5 VA	10VA	15VA
	ST80-1200	80	1200	-	10 VA	20 VA
	ST80-1250	80	1250	5 VA	10 VA	20 VA
	ST80-1500	80	1500	-	15 VA	25 VA
	ST80-1600	80	1600	5 VA	10 VA	15 VA
	ST80-2000	80	2000	-	15 VA	25 VA
	ST80-2500	80	2500	-	30 VA	30 VA

Rated Standard

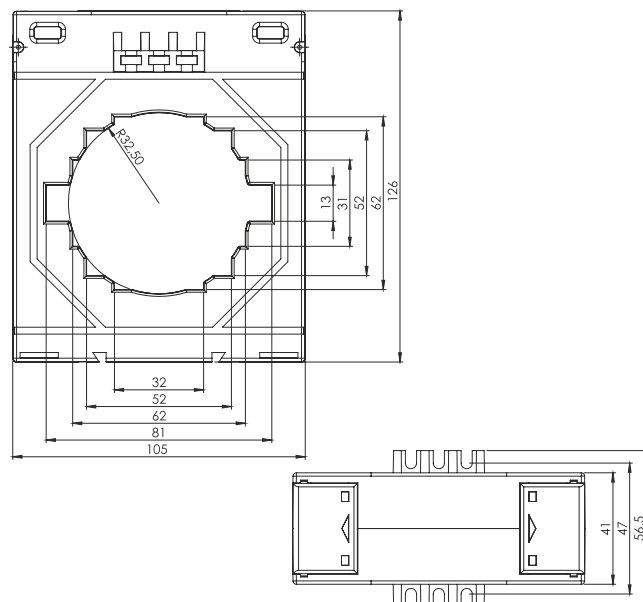
Rated Primary Current (I_{pr})	800...2500A
Frequency Range (f)	47...63Hz
Rated continuous over current	1.2 x rated current
Rated short time thermal current (I_{th})	< 60 I
Rated dynamic current (I_{dyn})	2.5I _{th}
Instrument security factor (FS)	5
Rated Secondary output (V_{sr})	5A or 1A
Accuracy class	Class 0.5 and Class 1, Class 0.2S 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

Available with 5A or 1A Secondary

Dimensions (mm)



V-21.09

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