



ST40

- From 200A to 800A Primary currents
- 5A or 1A Secondary output
- 65.5mm 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 ST40 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 200A to 800A.

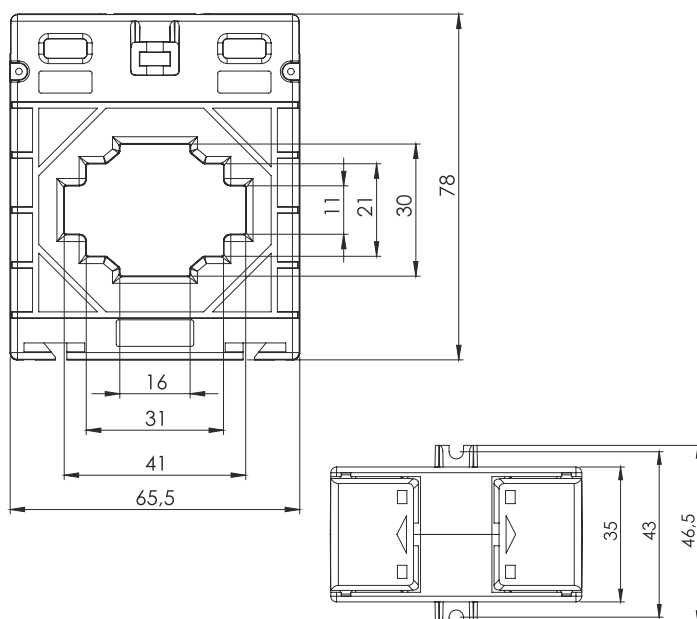
The ST40 Series have been designed for ease of installation with fixing feet. They also have clear markings moulded into the case to indicate the correct direction of primary current flow to minimise installation errors.

Technical Data / Product Selection

Description				Class		
Series	Code	Hole (MM)	Primary (A)	Class 0.5	Class 1.0	Class 0.2s
ST 40	ST40-200	40	200	2.5VA	2.5VA	-
	ST40-250	40	250	2.5VA	2.5VA	-
	ST40-300	40	300	2.5VA	3.75VA	-
	ST40-400	40	400	5VA	5 VA	5 VA
	ST40-500	40	500	5VA	5 VA	5 VA
	ST40-600	40	600	5VA	5 VA	5 VA
	ST40-800	40	800	10 VA	10 VA	-
	ST40-630	40	630	5VA	5 VA	-
	ST40-320	40	320	5 VA	10 VA	-

Available with 5A or 1A Secondary

Dimensions (mm)



Rated Standard

Rated Primary Current (I_{pr})	200...800A
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})	2.5Ith
Instrument security factor (FS)	5
Rated Secondary output (V_{sr})	5A or 1A
Accuracy class	Class 0.5, Class 0.2s 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

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