



ST30S

- From 30A to 400A Primary currents
- 5A or 1A Secondary output
- 49mm width
- 21mm 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 ST30S 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 30A to 400A.

The ST30S 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})	30...400A
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, 1 and 3 to IEC/EN61869-2

Rated Standard

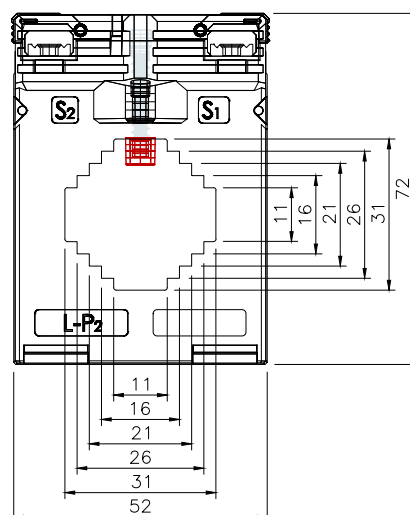
Insulation type	Dry transformer, air insulation
Highest voltage U_m	0.72kV r.m.s.
Rated insulation level	3kV r.m.s. 50Hz/1 min

Technical Data / Product Selection

Description				Class		
Series	Code	Hole (MM)	Primary (A)	Class 0.5	Class 1.0	Class 3.0
ST30S	ST30S-30	30	30	1 VA	1.5VA	-
	ST30S-40	30	40	1 VA	1.5VA	-
	ST30S-50	30	50	1 VA	1.5VA	-
	ST20S-60	30	60	1.5 VA	2.5VA	-
	ST30S-80	30	80	1.5 VA	2.5VA	-
	ST30S-100	30	100	2.5 VA	1.5 VA	-
	ST30S-125	30	125	2.5 VA	2.5 VA	-
	ST30S-150	30	150	2.5 VA	2.5 VA	-
	ST30S-160	30	160	2.5 VA	2.5 VA	-
	ST30S-200	30	200	2.5 VA	3.75 VA	-
	ST30S-250	30	250	2.5 VA	3.75 VA	-
	ST30S-300	30	300	5 VA	3.75 VA	-
	ST30S-400	30	400	5VA	5 VA	-

Available with 5A or 1A Secondary

Dimensions (mm)



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