



STW30

- From 5A to 150A Primary currents
- 5A or 1A Secondary output
- 62mm 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 STW30 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 5A to 150A.

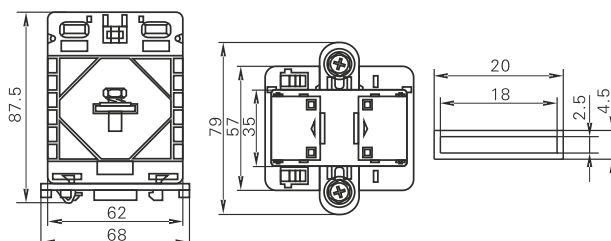
The STW30 Series have been designed for ease of installation with fixing feet. They also have clear markings moulded into the case to indicate the correct direction of primary current flow to minimize installation errors.

Technical Data / Product Selection

Description				Class		
Series	Code	Hole (MM)	Primary (A)	Class 0.5	Class 1.0	Class 3.0
STW30	STW30-5	-	5	1.5VA	2.5VA	-
	STW30-10	-	10	1.5VA	2.5VA	-
	STW30-15	-	15	1.5VA	2.5VA	-
	STW30-20	-	20	1.5VA	2.5VA	-
	STW30-30	-	30	1.5VA	2.5VA	-
	STW30-40	-	40	1.5VA	2.5VA	-
	STW30-50	-	50	1.5VA	2.5VA	-
	STW30-60	-	60	1.5VA	2.5VA	-
	STW30-75	-	75	1.5VA	2.5VA	-
	STW30-100	-	100	1.5VA	2.5VA	-
	STW30-150	-	150	1.5VA	2.5VA	-

Available with 5A or 1A Secondary

Dimensions (mm)



Rated Standard

Rated Primary Current (I_{pr})	5...150A
Frequency Range (f _i)	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_{st})	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

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	Wound primary
Secondary winding	Nickel-plated Screw clamp connection - 6mm