



Ø 21mm

ST20R

- From 40A to 300A Primary currents
- 5A or 1A Secondary output
- 44mm 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 ST20R 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 40A to 300A.

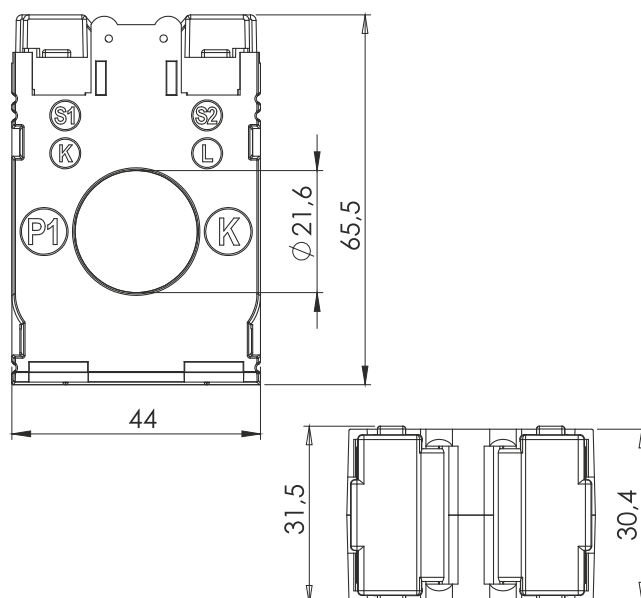
The ST20R Series have been designed for ease of installation with fixing feet. They also have clear markings moulded into the case to indicate the correct direction of primary current flow to minimise installation errors.

Technical Data

Description				Class		
Series	Code	Hole (MM)	Primary (A)	Class 0.5	Class 1.0	Class 3.0
ST20R	ST20R-40	20	40	2.5VA	2.5VA	1.5VA
	ST20R-50	20	50	2.5VA	2.5VA	1.5VA
	ST20R-60	20	60	2.5VA	2.5VA	2.5VA
	ST20R-80	20	80	2.5VA	2.5VA	2.5VA
	ST20R-100	20	100	2.5VA	2.5VA	-
	ST20R-125	20	125	2.5VA	2.5VA	-
	ST20R-150	20	150	2.5VA	2.5VA	-
	ST20R-200	20	200	2.5VA	2.5VA	-
	ST20R-250	20	250	3.75VA	3.75VA	-
	ST20R-300	20	300	3.75VA	3.75VA	-

Available with 5A or 1A Secondary

Dimensions (mm)



Rated Standard

Rated Primary Current (I_{pr})	40...300A
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

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