

PRODUCT DATASHEET

ST30S Series

Single-phase moulded case current transformers



KEY FEATURES

- 30-400 A primary current
- 5 A or 1 A secondary output
- 49 mm width
- 21 mm cable aperture
- Sealable terminal cover
- Supplied with mounting feet
- Compact design
- Primary current-flow indication

PRODUCT OVERVIEW

ST30S solid-core current transformers monitor current flow in commercial, industrial and utility applications. They connect to standard metering or relay products requiring a 5 A or 1 A output. Mounting feet and moulded current-flow markings simplify installation and help prevent connection errors.

PRODUCT SELECTION

Product code	Hole (mm)	Primary (A)	Class 0.5	Class 1.0	Class 3.0
ST30S-30	30	30	1 VA	1.5 VA	-
ST30S-40	30	40	1 VA	1.5 VA	-
ST30S-50	30	50	1 VA	1.5 VA	-
ST20S-60*	30	60	1.5 VA	2.5 VA	-
ST30S-80	30	80	1.5 VA	2.5 VA	-
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	5 VA	5 VA	-

All models available with 5 A or 1 A secondary output.

CE | RoHS

* 60 A code shown as ST20S-60 in source; verify before ordering.

Technical specifications

ST30S Series / Electrical, environmental and mechanical data

ELECTRICAL RATINGS & INSULATION

Parameter	Specification
Rated primary current (I _{pr})	30-400 A
Frequency range	47-63 Hz
Rated continuous overcurrent	1.2 × rated current
Rated short-time thermal current (I _{th})	<60 I
Rated dynamic current (I _{dyn})	2.5 I _{th}
Instrument security factor (FS)	5
Rated secondary output	5 A or 1 A
Accuracy class	Class 0.5, 1 and 3 to IEC/EN 61869-2
Insulation type	Dry transformer, air insulation
Highest voltage (U _m)	0.72 kV r.m.s.
Rated insulation level	3 kV r.m.s., 50 Hz / 1 min

ENVIRONMENTAL CONDITIONS

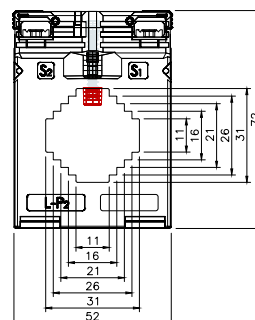
Reference temperature	23°C ±1°C
Nominal temperature	-25°C to +50°C
Daily mean temperature	≤30°C
Storage temperature	-40°C to +85°C
Relative humidity	≤85%, non-condensing

HOUSING & CONNECTIONS

Housing material	Non-flammable, self-extinguishing ABS / polycarbonate
Protection (IEC/EN 60529)	IP40 housing; IP20 terminals
Mounting	Foot mounting
Primary winding	Passing cable
Secondary winding	Screw clamp connection, 6 mm

DIMENSIONS

All dimensions in mm



Source revision: V-21.03