

PRODUCT DATASHEET

ST20R Series

Single-phase moulded case current transformers



KEY FEATURES

- 40-300 A primary current
- 5 A or 1 A secondary output
- 44 mm width
- 21 mm cable aperture
- Sealable terminal cover
- Supplied with mounting feet
- Compact design
- Primary current-flow indication

PRODUCT OVERVIEW

ST20R 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
ST20R-40	20	40	2.5 VA	2.5 VA	1.5 VA
ST20R-50	20	50	2.5 VA	2.5 VA	1.5 VA
ST20R-60	20	60	2.5 VA	2.5 VA	2.5 VA
ST20R-80	20	80	2.5 VA	2.5 VA	2.5 VA
ST20R-100	20	100	2.5 VA	2.5 VA	-
ST20R-125	20	125	2.5 VA	2.5 VA	-
ST20R-150	20	150	2.5 VA	2.5 VA	-
ST20R-200	20	200	2.5 VA	2.5 VA	-
ST20R-250	20	250	3.75 VA	3.75 VA	-
ST20R-300	20	300	3.75 VA	3.75 VA	-

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

CE | RoHS

Technical specifications

ST20R Series / Electrical, environmental and mechanical data

ELECTRICAL RATINGS & INSULATION

Parameter	Specification
Rated primary current (I _{pr})	40-300 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

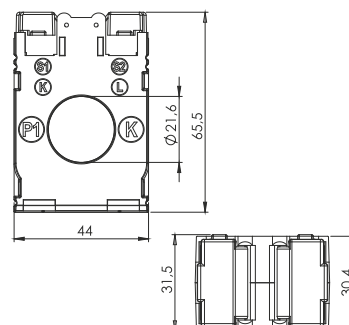
Reference temperature	23°C ±1°C
Nominal temperature	-25°C to +50°C
Daily mean temperature	≤30°C
Storage temperature	-40°C to +85°C
Relative humidity	≤85%, non-condensing

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