

Voltage transformers

Three phase voltage transformers

outdoor and indoor version



SOCOMEC-TCT designs, manufactures and sells tailor -made or standard voltage transformers

type 400 V/100 V or 220 V/400 V, class 0,5 for the equipment of industrial metering systems for

The voltage transformers are available in indoor and outdoor versions for the low voltage metering with a primary rated voltage of 230 V or 127 V and a secondary rated voltage of 57.7 V or 220 V.

Those transformers are mainly used by energy producers and energy transport companies.

Indoor version



transfo_017_a

The solution for

- > Inside use
- > Outside use
- > Industrial metering system for HVA delivery stations

Strong points

- Compact and robust design
- > Metal fasteners
- > Outside version IP66

Homologations and certifications

> Enedis certification

Conformity to standards

> EN 60439-1 > EN 60529



- > EN 61869-1



> EN 61869-3

Advantages

Function

HVA delivery stations.

Compact and robust design

The voltage transformers have a compact and robust design. It can be used inside and outside.

Metal fasteners

The indoor version of the voltage transformer has metal fixations with handgrip system to allow a quick and easy installation . The adjustable metal fixation fits all installations.

Outside version IP66

The outdoor version of the voltage transformer is integrated into a sealed box. It is designed to withstand a humidity rate of 95 %, thanks to the IP66 design. The boxes are delivered ready to install for a greater reactivity.

Specific realisations

SOCOMEC-TCT realises as well tailor-made voltage transformers and adapt the mechanical presentation and fasteners matching your environment and special needs. For any question, please contact us.

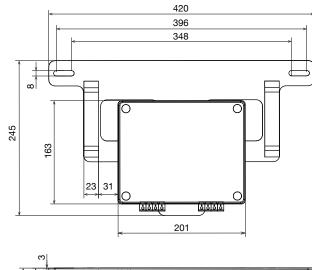


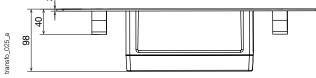
Technical characteristics

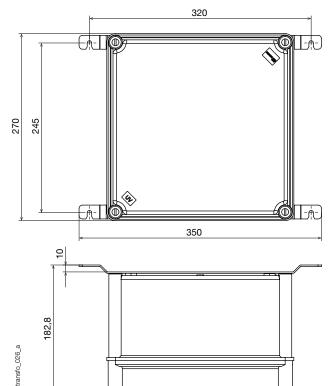
	Indoor	Outdoor
Туре	three-phase	three-phase
Three-phase operating voltage	400 V between phases	200 V between phases
Single-phase operating voltage	230 V between phase and neutral	127 V between phase and neutral
Max. isolation voltage	0.72 kV	0.72 kV
Primary voltage	400 V/J3 V between phase and neutral, i.e. 230 Vrms	220 V/√3 V between phase and neutral; i.e. 127 Vrms
Secondary voltage	100 V/J3 V between phase and neutral, i.e. 57.7 Vrms	400/√3 V between phase and neutral; i.e. 220 Vrms
Precision class	0.5	0.5
Precision power	15 VA	7.5 VA
Power in thermal held	≥ 100 VA	≥ 100 VA
Heating voltage	1.2 U _n	1.2 U _n
Isolation class	A	A
Frequency	50 Hz	50 Hz
Working temperature	-25 +40 °C	-25 +40 °C
Pollution degree	level 3	level 3
Weight – indoor version	11.5 kg (TRAMES160)	
Weight – outdoor version	12.5 kg (TRAMES183)	12.5 kg (TRAMES197)

Dimensions (mm)

Indoor version







References

Model	Version	Reference
Voltage transformer	indoor	TRAMES160
Voltage transformer	outdoor	TRAMES183
Voltage transformer	outdoor	TRAMES197

Outdoor version

