

T-SABT



T-SABT, Advanced low voltage monitoring card,

Code: Q32000.

Description

T-SABT is the analyser that allows the three-phase voltage and current of a line to be measured to transmit the data, using RS-485, to the R-SABT advanced low-voltage monitor. The device can be installed on the sensor (CAP), located at the output of the low-voltage switchboard in the transformer substation, or in a specially designed cabinet.



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Specifications

DC power supply

Installation category	CAT IV 300 V
Consumption	0.3 W
Nominal voltage	24 V

Mechanical characteristics

Size (mm) width x height x depth	93 x 59 x 50 (mm)
Envelope	V0 self-extinguishing plastic
Weight (kg)	0,084

Environmental characteristics

Protection class	IP 2XB
Relative humidity (without condensation)	5 ... 95 %
Storage temperature	-25 ... +70 °C
Working temperature	-10 ... +70 °C

Current measurement circuit

Installation category	CAT IV 300 V
Nominal current (In)	1 A
Phase current measuring range	1 mA ... 2 A
Maximum input current consumption	0.01 VA
Maximum pulse current	20 In (< 1s)
Minimum current measurement	1 mA

Voltage measurement circuit

Installation category	CAT IV 300V
Input impedance	> 800 kΩ
Frequency measuring range	45 ... 65 Hz
Voltage measuring range	127/220 ... 230/400 V ~ ± 20 %
Maximum input voltage consumption	0.07 VA
Minimum measurement voltage (Vstart)	20 V ~

Standards

Electrical safety, Maximum height (m)	2000
Electrical safety, Installation category	CAT IV 300 V
Standards	UNE-EN 61010-1, UNE-EN 61000-6-2, UNE-EN 61000-6-4

User interface

LED	4 indication LED
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Measurement accuracy

Phase current measurement	1%
Reactive energy measurement (kvarh)	Class 2
Active energy measurement (kWh)	Class B
Phase voltage measurement	1%

Serial communication

Protocol	DLMS
Technology / Type	RS-485

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Advanced Low-voltage Monitoring Cards

CODE	TYPE	Description
Advanced Low-voltage Monitoring Cards		
Q32000.	T-SABT	Advanced low voltage monitoring card
Q32400.	T-SABT-BRIDGE	Bridge card for backup line
Q32002.	T-SABT FLEX	Advanced low voltage monitoring card, Rogowski assembly
Advanced Monitoring Accessories		
Q32200.	VTN	Neutral to earth voltage monitor
Q32103.	EXT-NEUTRO	



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Dimensions



Connections

