



## T-SABT FLEX

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T-SABT FLEX, Advanced low voltage monitoring card,

Code: Q32002.

### Description

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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

#### Environmental characteristics

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

#### Mechanical characteristics

Envelope	V0 self-extinguishing plastic
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#### Current measurement circuit

Installation category	CAT IV 300 V
Nominal current (I <sub>n</sub> )	1 A
Phase current measuring range	1 mA ... 2 A
Maximum input current consumption	0.01 VA
Maximum pulse current	20 I <sub>n</sub> (< 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 (V <sub>start</sub> )	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

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Phase current measurement

1%



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

### Serial communication

Protocol	DLMS
Technology / Type	RS-485

### T-SABT

Advanced Low-voltage Monitoring Cards

CODE	TYPE	Description
<b>Advanced Low-voltage Monitoring Cards</b>		
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
<b>Advanced Monitoring Accessories</b>		
Q32200.	VTN	Neutral to earth voltage monitor
Q32103.	EXT-NEUTRO	