



T-SABT FLEX

T-SABT FLEX, Advanced low voltage monitoring card,

Code: Q32002.

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 |

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 |
|----------|-------------------------------|

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%



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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 |
|--|---------------|---|
| 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 | |