R-SABT

R-SABT, Advanced low voltage remote monitoring,

Code: Q46300.

Description

R-SABT is the device that collects data from T-SABT line monitoring cards, and that also measures the quality of supply and detects ground leakage. The device communicates with T-SABT cards via RS-485.

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Specifications

AC power supply

Installation category	CAT III 300 V
Consumption	7 VA
Frequency	50 Hz
Nominal voltage	100 ... 265 V ~

Mechanical characteristics

Size (mm) width x height x depth	216.5 x 132 x 121 (mm)
Envelope	V0 self-extinguishing plastic
Weight (kg)	1

Environmental characteristics

Protection class	IP 2XB
Relative humidity (without condensation)	5 ... 95 %
Storage temperature	-25 ... +70 °C
Working temperature	-10 ... +60 °C

Current measurement circuit

Installation category	CAT III 300 V
Nominal current (In)	1 A
Phase current measuring range	1 mA ... 2 A
Maximum input current consumption	0.02 VA
Maximum pulse current	20 In (< 1s)
Minimum current measurement	1 mA

Voltage measurement circuit

Installation category	CAT III 300 V
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)	1 V ~

Communication Network

Protocol	DLMS
Technology / Interface	Ethernet 10/102

Standards

Electrical safety, Maximum height (m)	2000

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Electrical safety, Installation category	CAT III 300 V
Standards	UNE-EN 61000-4-2, UNE-EN 61000-4-3, UNE-EN 61000-4-4, UNE-EN 61000-4-5, UNE-EN 61000-4-6, UNE-EN 61000-4-8, UNE-EN 61000-4-10, UNE-EN 61000-4-18, UNE-EN 61000-6-2, UNE-EN 60068-2-1, UNE-EN 60068-2-2, UNE-EN 60068-2-14, UNE-EN 60068-2-78, UNE-EN 60255-27, UNE-EN 60870-2-1, UNE-EN 61709, UNE-EN 62059-31-1, UNE-EN 61000-4-30

User interface

LED	12 indication LED

Measurement accuracy

Phase current measurement	0.2 %
Phase voltage measurement	0.2 %

Processor

Sampling frequency	600 MHz

Serial communication

Protocol	DLMS
Technology / Type	RS-485

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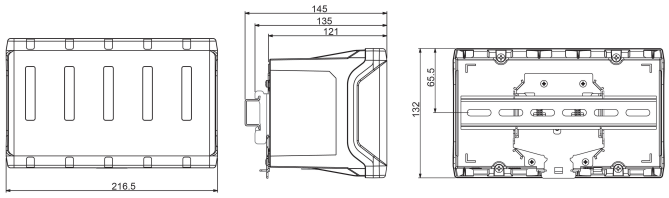
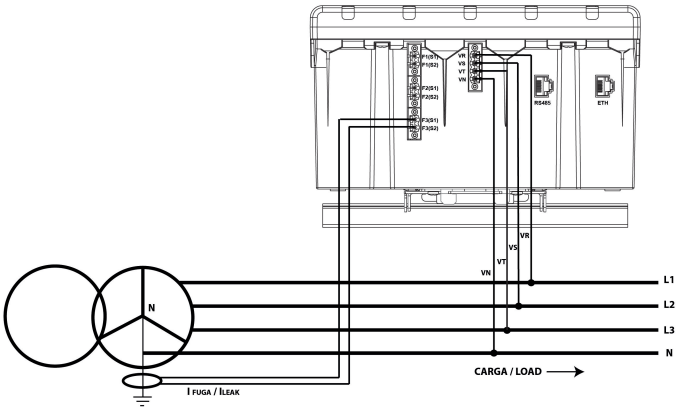
Dimensions



Connections