

STM-S-24-485

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Code: E85SE1. DESCATALOGADO

- > Protocol: Modbus-RTU
- > Communications: RS-485
- > Digital inputs: 3
- > Measure: 30 A
- > Power supply (Vac): 24 Vdc
- > Mounting: DIN rail

Application

Supervision of photovoltaic strings in solar farms and self-consumption installations



STM-S-24-485

Analyser for photovoltaic strings

Code: E85SE1.

Specifications

DC power supply

Installation category	CAT II 1500 V
Consumption	3.6 W
Nominal voltage	24 V $\pm 10\%$

Mechanical characteristics

Size (mm) width x height x depth	337.5 x 114 x 94.5 (mm)
Envelope	Self-extinguishing V0 plastic
Fastening	DIN rail
Weight (kg)	0,82

Environmental characteristics

Protection class	IP 00
Relative humidity (without condensation)	5 ... 95 %
Installation, location, position.	3000 m
Storage temperature	-25...+80 °C
Working temperature	-25...+70 °C

Current measurement circuit

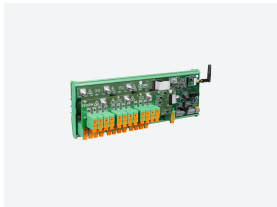
Installation category	CAT II 1500 V
Consumption	1 Channel: 1.0125 W
Impedance	0.5 m Ω
Phase current measuring range	0.1 ... 30 A DC
Minimum current measurement	0.1 A

Voltage measurement circuit

Installation category	CAT II 1500 V
Input impedance	2400 k Ω
Voltage measuring range	-25 ... -1500 Vdc
Maximum input voltage consumption	0,625 mA
Minimum measurement voltage (Vstart)	-25 V

Input

Accuracy	$\pm 3^\circ\text{C}$
Range	-30 ... 100°C
Resolution	$\pm 0,1$ mA
Type	Pt100/1000



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Standards

Electrical safety, Maximum height (m)	3000
Electrical safety, Installation category	Protection against electric shock: Double class II insulation
Standards	EN 61000-6-2, EN 61000-6-4, EN 61010-1, EN 61010-2-30

User interface

LED	4
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Digital inputs

Input/output insulation	Optoisolated
Quantity	3
Type	Potential free contact
Maximum short-circuit current	3.2 mA
Maximum open circuit voltage	24 V

The minimum configuration of the STM solution is made up of an STM-C module and an STM-S module



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Dimensions



Connections

