



STM-S-12-485

Code: E85SC1. DESCATALOGADO

> Protocol: Modbus-RTU> Communications: RS-485

> Digital inputs: 3 > Measure: 45 A

> Power supply (Vac): 24 Vdc

> Mounting: DIN rail

Application

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







Analyser for photovoltaic strings

Code: E85SC1.

Specifications

Installation category	CAT II 1500 V
Consumption	3.6 W
Nominal voltage	24 Vdc ± 10 %
echanical characteristics	
Size (mm) width x height x depth	337.5 x 114 x 58 (mm)
Envelope	Self-extinguishing V0 plastic
Fastening	DIN rail
Weight (kg)	0,52
nvironmental 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
urrent measurement circuit	
Installation category	CAT II 1500 V
Consumption	1 Chanel: 1.0125 W
Impedance	0.5 mΩ
Phase current measuring range	0.1 45 A DC
Minimum current measurement	0.1 A
oltage measurement circuit	
Installation category	CAT II 1500 V
Input impedance	2400 kΩ
Voltage measuring range	-251500 Vdc
Maximum input voltage consumption	0,625 mA
Minimum measurement voltage (Vstart)	-25 V
put	
Accuracy	±3°C
Range	-30 100°C
Resolution	±0,1 mA







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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
Digital inputs	
Input/output insulation	Optoisolated
Quantity	3
Туре	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



