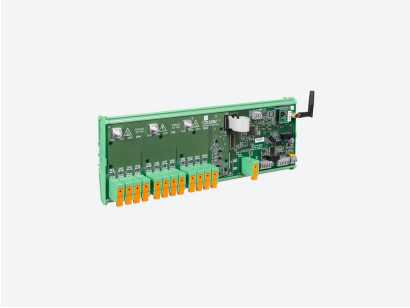


STM-S-12-F868

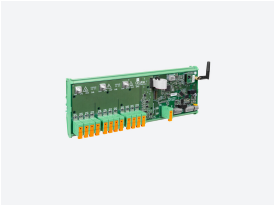
STM-S-12-F868

Code: E85SC3. **(CONSULTAR DISPONIBILIDAD)**

> Communications: LoRa-868 MHz.
> 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



STM-S-12-F868

Analyser for photovoltaic strings

Code: E85SC3.

Specifications

DC power supply

Installation category	CAT II 1500 V
Consumption	3.6 W
Nominal voltage	24 Vdc ± 10 %

Mechanical characteristics

Size (mm) width x height x depth	362 x 114 x 58 (mm)
Envelope	Self-extinguishing V0 plastic
Fastening	DIN rail
Weight (kg)	0,535

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

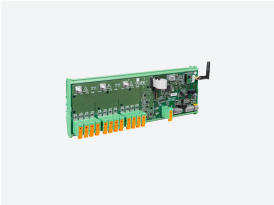
Installation category	CAT II 1500 V
Consumption	1 Chanel: 1.0125 W
Impedance	0.5 mΩ
Phase current measuring range	0.1 ... 45 A DC
Minimum current measurement	0.1 A

Voltage measurement circuit

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

Input

Accuracy	± 3°C
Range	-30 ... 100°C
Resolution	±0,1 mA
Type	Pt100/1000



STM-S-12-F868

Analyser for photovoltaic strings

Code: E85SC3.

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

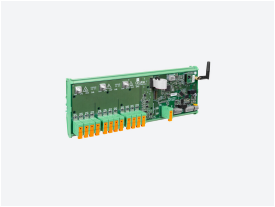
User interface

LED	4

Digital inputs

Input/output insulation	Optoisolated
Quantity	3
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



STM-S-12-F868

Analyser for photovoltaic strings

Code: E85SC3.

Dimensions

Connections