STM-SN

STM-SN, Module for negative current measurement, 25 ADC,

Code: E82SN0. **DESCATALOGADO**

Description

STM is smart analyser that supports up to 32 channels. Designed specifically to supervise photovoltaic strings, the STM allows for the maximum performance of the photovoltaic array thanks to its high measuring accuracy.
The solution consists of different modules:
STM-C: Smart module that is able to calculate powers, compare string performances, detect reverse currents, etc. It also features:

- One 1,500 VDC input
- Four voltage-free digital inputs
- One analogue input 0/4...20 mA
- One input for Pt100 or Pt1000
- A LoRa wireless communications module

STM-S: Current measurement module with 4 measurement channels of up to 42 A each. Up to 8 **STM-S** modules can be connected to obtain 32 channels.
Its modularity, flexibility of installation, smart characteristics and robustness make the **STM** the perfect piece of equipment to supervise the correct operation of the photovoltaic array.

Application

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

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Analyser for photovoltaic strings

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Specifications

DC power supply	
Consumption	20 mA / 5 Vdc
Nominal voltage	5 Vdc ± 10 % (self-powered from STM-C)

Environmental characteristics	
Relative humidity (without condensation)	5 ... 95 %
Working temperature	-20...+70°C (continuous) -20...+80°C (peak)

Mechanical characteristics	
Fastening	DIN rail

Current measurement circuit	
Impedance	2 mΩ

Standards	
Electrical safety, Installation category	Category II Double-insulated electric shock protection class II

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

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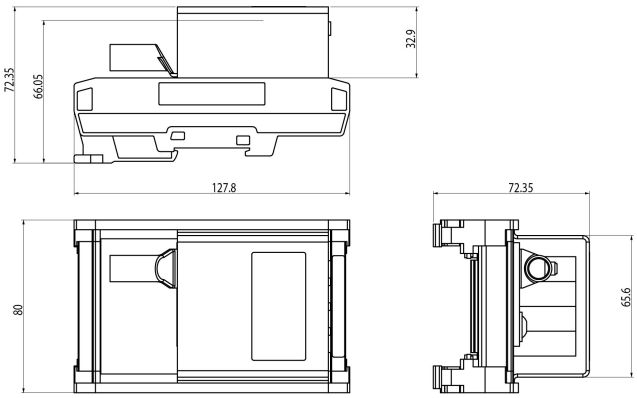
Dimensions



Connections