Circutor

STM-S-12-485

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

Circutor

STM-S-12-485

Analyser for photovoltaic strings

Code: E85SC1.

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	337.5 x 114 x 58 (mm)
Envelope	Self-extinguishing V0 plastic
Fastening	DIN rail
Weight (kg)	0,52

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

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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
Type	Potential free contact
Maximum short-circuit current	3.2 mA
Maximum open circuit voltage	24 V

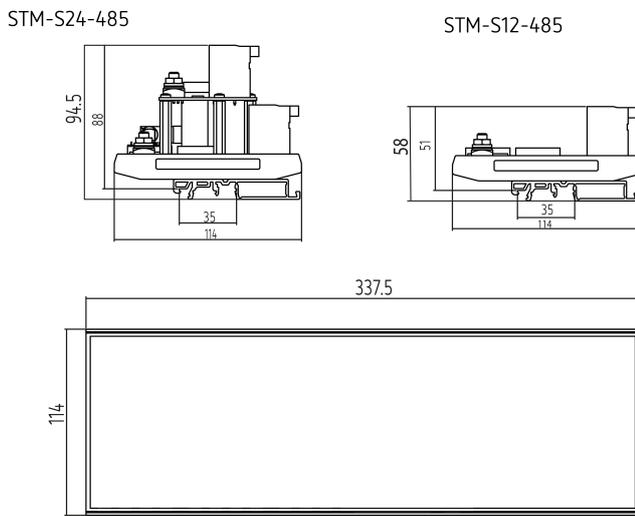The minimum configuration of the STM solution is made up of an STM-C module and an STM-S module

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Dimensions

STM-S24-485

94.5
88
35
114

STM-S12-485

58
51
35
114

337.5

114

Connections

- Alimentación Auxiliar
  Power Supply
+

Entradas digitales
Digital inputs

Comunicaciones RS-485
Communications RS-485

Medida de Tensión
Voltage Measurement

-
+

Entrada sonda Pt100
Probe input Pt100

Canal / Channel 21 ... 24[4]

Canal / Channel 9 ... 12

Salida de Corriente / Output current

Canal / Channel 17 ... 20[4]

Canal / Channel 5 ... 8

Canal / Channel 13 ... 16[4]

Canal / Channel 1 ... 4

Entrada de Corriente / Current Input

[4]
Canal / Channel 24[4]
Canal / Channel 12
Canal / Channel 23[4]
Canal / Channel 11
Canal / Channel 22[4]
Canal / Channel 10
Canal / Channel 21[4]
Canal / Channel 9
Canal / Channel 20[4]
Canal / Channel 8
Canal / Channel 19[4]
Canal / Channel 7
Canal / Channel 18[4]
Canal / Channel 6
Canal / Channel 17[4]
Canal / Channel 5
Canal / Channel 16[4]
Canal / Channel 4
Canal / Channel 15[4]
Canal / Channel 3
Canal / Channel 14[4]
Canal / Channel 2
Canal / Channel 13[4]
Canal / Channel 1

Circutor

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Page 4 of 4