

STM-CH-LoRa-F915

STM-CH-LoRa-F915, LoRa control module with Hall effect transformers for measuring current, 915 MHz frequency,

Code: E82CH20020000 **DESCATALOGADO**

Specifications

DC power supply

Installation category	CAT III 1000 V
Consumption	4.2 W
Nominal voltage	24 V ±10%

Mechanical characteristics

Size (mm) width x height x depth	100 x 127.8 x 72.35 (mm)
Envelope	Self-extinguishing V0 plastic
Fastening	DIN rail
Weight (kg)	0,19

Environmental characteristics

Protection class	IP 00
Relative humidity (without condensation)	95%
Installation, location, position.	2000 m
Storage temperature	20...80 °C
Operating temperature	-20...70 °C

Current measurement circuit

Start-up current (Ist)	2 A
Installation category	CAT II 1000 V
Impedance	300 kΩ
Phase current measuring range	25 A channel, 2 ... 25 Adc 50 A channel, 2 ... 50 Adc 200 A channel, 2 ...100 Adc

Voltage measurement circuit

Installation category	CAT III 1000 V
Input impedance	3200 kΩ
Voltage measuring range	10...1500 Vdc
Maximum input voltage consumption	0,5 mA
Minimum measurement voltage (Vstart)	10 V

Input

Accuracy	± 3°C
Range	-25 ... 100°C
Resolution	±0,1 mA
Type	Pt100/1000

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Standards

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	7

Analogue inputs

Input impedance	150 Ω
Nominal range	0...20 mA / 4...20 mA
Nominal input range	0...20 mA / 4...20 mA
Measurement type	Current
Maximum allowable neutral current	20 mA
Accuracy	± 0,1 mA

Digital inputs

Input/output insulation	Optoisolated
Quantity	4
Type	Potential free contact
Maximum short-circuit current	6 mA
Maximum open circuit voltage	24 V

STM-HALL
Control module for PV measurement using Hall effect sensor

CODE	TYPE	Description
Control module		
E82CH1.	STM-CH-485	RS-485 control module for measuring currents using Hall effect transformers
E82CH20010000	STM-CH-LoRa-F868	LoRa control module with Hall effect transformers for measuring current, 868 MHz frequency
E82CH20020000	STM-CH-LoRa-F915	LoRa control module with Hall effect transformers for measuring current, 915 MHz frequency
Current measurement module		
E82SH0.	STM-SH	Slave module for measuring up to 16 current channels with Hall effect transformers
E823H0.	M/STM-25x2	STM-H 25A tray with 2 transformers
E824H0.	M/STM-50x2	STM-H 50A tray with 2 transformers
E821H0.	M/STM-25x4	STM-H 25A tray with 4 transformers
E822H0.	M/STM-50x4	STM-H 50A tray with 4 transformers

The minimum configuration of the STM solution is made up of an STM-CH module and an STM-SH module

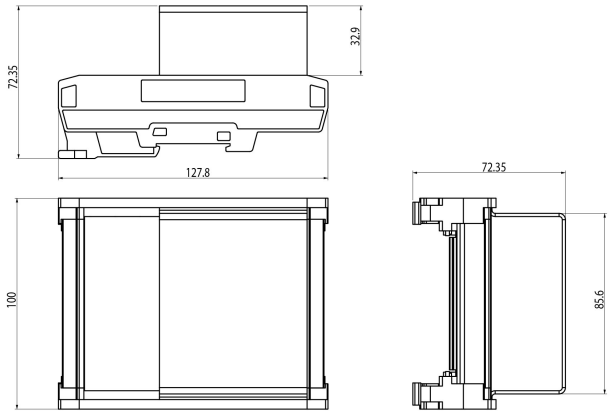
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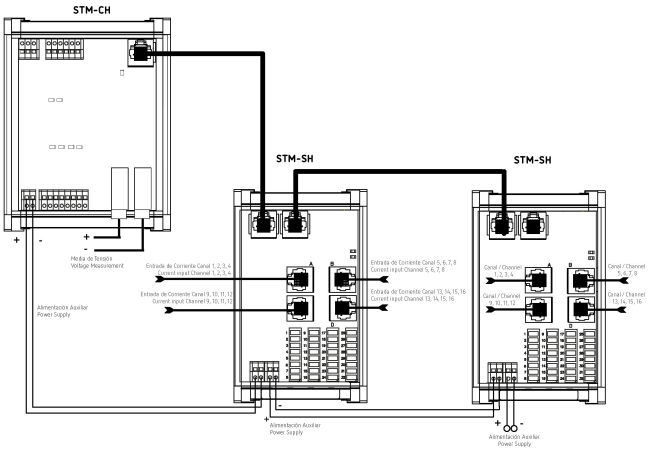
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Dimensions



Connections



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