



STM-CH-485

STM-CH-485, RS-485 control module for measuring currents using Hall effect transformers,

Code: E82CH1. DESCATALOGADO

Specifications

DC power supply

| | |
|-----------------------|----------------|
| Installation category | CAT III 1000 V |
| Consumption | 4.2 W |
| Nominal voltage | 24 V \pm 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) | 0,18 |

Environmental characteristics

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

Current measurement circuit

| | |
|-------------------------------|---|
| Start-up current (Ist) | 2 A |
| Installation category | CAT II 1000 V |
| Impedance | 300 k Ω |
| 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 k Ω |
| Voltage measuring range | 10...1500 Vdc |
| Maximum input voltage consumption | 0,5 mA |
| Minimum measurement voltage (Vstart) | 10 V |

Input

| | |
|------------|---------------|
| Accuracy | \pm 3°C |
| Range | -25 ... 100°C |
| Resolution | \pm 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 |

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



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Dimensions



Connections

