

# Product datasheet

Specifications



## cartridge M200 - 2 analog current inputs

TMC2A12

### Main

|                           |                          |
|---------------------------|--------------------------|
| Range Of Product          | Easy Modicon M200        |
| Product Or Component Type | Analogue input cartridge |
| Product Compatibility     | Easy Modicon M200        |
| Analogue Input Number     | 2                        |

### Complementary

|  |   |
|--|---|
| Analogue Input Type                    | current 4...20 mA<br>current 0...20 mA<br>voltage 0...10 V                      |
| Analogue Input Resolution              | 12 bits   |
| Lsb Value                              | 2.44 mV 0...10 Vvoltage<br>4.88 µA 0...20 mAcurrent<br>3.91 µA 4...20 mAcurrent |
| Conversion Time                        | 20 ms   |
| Sampling Duration                      | 10 ms   |
| Absolute Accuracy Error                | +/- 0.1 % of full scale at 25 °C<br>+/- 1 % of full scale                       |
| Temperature Drift                      | +/- 0.02 %FS/°C   |
| Repeat Accuracy                        | +/- 0.5 %FS   |
| Non-Linearity                          | +/- 0.01 %FS  |
| Cross Talk                             | <= 1 LSB  |
| Type Of Cable                          | Twisted shielded pairs cable  |
| Electrical Connection                  | 3 x 1.5 mm² 2 screw terminal blocks with pitch 3.81 mm adjustment for inputs    |
| Maximum Cable Distance Between Devices | Twisted shielded pairs cable: <30 m for input                                   |
| Insulation                             | Non-insulated between analogue input and internal logic                         |
| Height                                 | 41 mm   |
| Depth                                  | 15 mm   |
| Width                                  | 35 mm   |
| Net Weight                             | 0.012 kg  |
| Permissible Continuous Overload        | 13 V, analogue input type: voltage<br>40 mA, analogue input type: current       |
| Input Impedance                        | <= 250 Ohm current<br>>= 1 MOhm voltage   |

### Environment

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                         |       |
|-------------------------|-------|
| Immunity To Microbreaks | 10 ms |
|-------------------------|-------|

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type Of Package 1       | PCE      |
| Number Of Units In Package 1 | 1        |
| Package 1 Height             | 3.589 cm |
| Package 1 Width              | 4.772 cm |
| Package 1 Length             | 7.056 cm |
| Package 1 Weight             | 30 g     |
| Unit Type Of Package 2       | S02      |
| Number Of Units In Package 2 | 75       |
| Package 2 Height             | 15 cm    |
| Package 2 Width              | 30 cm    |
| Package 2 Length             | 40 cm    |
| Package 2 Weight             | 2.815 kg |
| Unit Type Of Package 3       | P12      |
| Number Of Units In Package 3 | 2400     |
| Package 3 Height             | 100 cm   |
| Package 3 Width              | 125 cm   |
| Package 3 Length             | 55 cm    |
| Package 3 Weight             | 85 kg    |

## Sustainability




**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

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[Guide to assess a product's sustainability >](#)

## Well-being performance

|   |   |                     |
|---|---|---------------------|
|  | Toxic Heavy Metal Free  |                     |
|  | Mercury Free  |                     |
|  | Rohs Exemption Information  | <a href="#">Yes</a> |
| <b>Reach Regulation</b>   | <a href="#">REACH Declaration</a>   |                     |
| <b>Eu Rohs Directive</b>  | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a> |                     |
| <b>China Rohs Regulation</b>  | <a href="#">China RoHS declaration</a>  |                     |