

# Product datasheet

Specifications



## cartridge M200 - 2 analog current inputs

TMCR2AI2

### 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 current 0...20 mA voltage 0...10 V
Analogue input resolution	12 bits
LSB value	2.44 mV 0...10 Vvoltage 4.88 $\mu$ A 0...20 mAcurrent 3.91 $\mu$ A 4...20 mAcurrent
Conversion time	20 ms
Sampling duration	10 ms
Absolute accuracy error	+/- 0.1 % of full scale at 25 °C +/- 1 % of full scale
Temperature drift	+/- 0.02 %FS/°C
Repeat accuracy	+/- 0.5 %FS
Non-linearity	+/- 0.01 %FS
Cross talk	$\leq$ 1 LSB
Type of cable	Twisted shielded pairs cable
Electrical connection	3 x 1.5 mm <sup>2</sup> 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 40 mA, analogue input type: current
Input impedance	$\leq$ 250 Ohm current

>= 1 MOhm voltage

## Environment

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Immunity to microbreaks 10 ms

## Packing Units

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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

## Offer Sustainability

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REACH Regulation [REACH Declaration](#)

EU RoHS Directive Pro-active compliance (Product out of EU RoHS legal scope)  
[EU RoHS Declaration](#)

Toxic heavy metal free Yes

Mercury free Yes

China RoHS Regulation [China RoHS declaration](#)

RoHS exemption information [Yes](#)

## Recommended replacement(s)