

# Product datasheet

Specifications



## Analogue input cartridge, Modicon M241, 2 temperature inputs

TMC4TI2

EAN Code: 3606480649202

### Main

Range of product	Modicon M241
Product or component type	Analogue input cartridge
Product compatibility	Modicon M241C
Analogue input number	2

### Complementary

Analogue input type	thermocouple - 200...1000 °C with thermocouple J thermocouple - 200...1300 °C with thermocouple K thermocouple 0...1760 °C with thermocouple R thermocouple 0...1760 °C with thermocouple S thermocouple 0...1820 °C with thermocouple B thermocouple - 200...400 °C with thermocouple T thermocouple - 200...1300 °C with thermocouple N thermocouple - 200...800 °C with thermocouple E Ni 100/Ni 1000 temperature probe - 60...180 °C Pt 100 temperature probe - 200...850 °C Pt 1000 temperature probe - 200...600 °C
Analogue input resolution	14 bits
LSB value	0.1 °C
Sampling duration	100 ms
Absolute accuracy error	+/- 0.5 % of full scale at 25 °C for Pt 100/Pt 1000, Ni 100/ Ni 1000 temperature probe +/- 0.2 % of full scale at 25 °C for thermocouple K - 200...1300 °C +/- 0.2 % of full scale at 25 °C for thermocouple J - 200...1000 °C +/- 0.2 % of full scale at 25 °C for thermocouple E - 200...800 °C +/- 0.2 % of full scale at 25 °C for thermocouple T - 200...400 °C +/- 0.2 % of full scale at 25 °C for thermocouple N - 200...1300 °C +/- 0.2 % of full scale at 25 °C for thermocouple B 250...400 °C +/- 0.1 % of full scale at 25 °C for thermocouple B 400...1280 °C +/- 0.2 % of full scale at 25 °C for thermocouple R, S 0...1760 °C
Temperature drift	+/- 0.008 %FS/°C
Repeat accuracy	+/- 0.1 %FS
Non-linearity	+/- 0.05 %FS
Cross talk	80 dB
Type of cable	Twisted shielded pairs cable
Electrical connection	1 x 1.5 mm <sup>2</sup> 1 spring terminal block with pitch 3.81 mm adjustment for outputs and supply
Maximum cable distance between devices	Twisted shielded pairs cable: <30 m for input
Insulation	Between input and internal logic at 500 V DC Non-insulated between inputs
Supply voltage limits	20.4...28.8 V
Local signalling	1 LED (green) for PWR

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Height	50 mm
Depth	21 mm
Width	34 mm
Net weight	0.055 kg
Permissible continuous overload	6 V
Input impedance	$\geq 1$ MOhm

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## Environment

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Immunity to microbreaks	10 ms
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## Packing Units

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Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.0 cm
Package 1 Width	3.0 cm
Package 1 Length	3.5 cm
Package 1 Weight	74.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	50
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	4.164 kg

## Logistical informations

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Country of origin	ID
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## Contractual warranty

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Warranty	18 months
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## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Environmental footprint

Total lifecycle Carbon footprint 35

Environmental Disclosure [Product Environmental Profile](#)

### Use Better

#### Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic Yes

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

SCIP Number D8dbab46-37ab-4503-807f-893da69cb5e6

REACH Regulation [REACH Declaration](#)

PVC free Yes

### Use Again

#### Repack and remanufacture

End of life manual availability [End of Life Information](#)

Take-back No

WEEE Label  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins