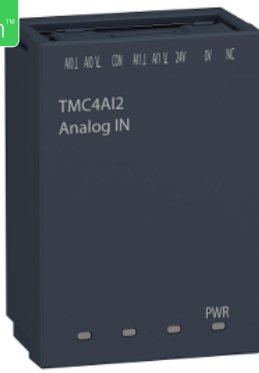


Product datasheet

Specifications



Analogue input cartridge, Modicon M241, 2 analog current inputs

TMC4AI2

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	current 4...20 mA current 0...20 mA voltage 0...10 V
Analogue input resolution	16 bits
LSB value	1 mVvoltage 2 μ Acurrent
Sampling duration	10 ms
Absolute accuracy error	+/- 0.2 % of full scale at 25 °C
Temperature drift	+/- 0.006 %FS/°C
Repeat accuracy	+/- 0.2 %FS
Non-linearity	+/- 0.05 %FS
Cross talk	80 dB
Type of cable	Twisted shielded pairs cable
Electrical connection	1 x 1.5 mm ² 1 spring terminal block with pitch 3.81 mm adjustment for inputs 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
Height	50 mm
Depth	21 mm
Width	34 mm
Net weight	0.055 kg
Permissible continuous overload	40 mA, analogue input type: current 30 V, analogue input type: voltage

Input impedance	<= 250 Ohm current >= 1 MOhm voltage
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Environment

Immunity to microbreaks	10 ms
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Packing Units

Unit Type of Package 1	PCE
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Number of Units in Package 1	1
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Package 1 Height	7 cm
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Package 1 Width	3.5 cm
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Package 1 Length	3 cm
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Package 1 Weight	74 g
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Unit Type of Package 2	S02
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Number of Units in Package 2	27
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Package 2 Height	15 cm
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Package 2 Width	30 cm
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Package 2 Length	40 cm
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Package 2 Weight	2.24 kg
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Offer Sustainability

Sustainable offer status	Green Premium product
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REACH Regulation	REACH Declaration
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EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
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Mercury free	Yes
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China RoHS Regulation	China RoHS declaration
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RoHS exemption information	Yes
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Environmental Disclosure	Product Environmental Profile
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Circularity Profile	End of Life Information
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PVC free	Yes
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Recommended replacement(s)