Product datasheet

Specifications

Green Premium™

analogue input cartridge, Modicon M241, 2 temperature inputs

TMC4TI2

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 mm² 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

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

Height	50 mm
Depth	21 mm
Width	34 mm
Net Weight	0.055 kg
Permissible Continuous Overload	6 V
Input Impedance	>= 1 MOhm

Environment

Immunity To Microbreaks	10 ms

Packing Units

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

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_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

Well-being performance

Mercury Free	
Rohs Exemption Information	Yes
Pvc Free	

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information