Product data sheet

Specifications

Green Premium™

analogue input cartridge, Modicon M241, 2 temperature inputs

TMC4TI2

Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 169.00 USD

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 thermocouple J thermocouple - 200...1300 °C thermocouple K thermocouple 0...1760 °C thermocouple R thermocouple 0...1760 °C thermocouple S thermocouple 0...1820 °C thermocouple B thermocouple - 200...400 °C thermocouple T thermocouple - 200...1300 °C thermocouple N thermocouple - 200...800 °C 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 77 °F (25 °C) for Pt 100/Pt 1000, Ni 100/ Ni 1000 temperature probe +/- 0.2 % of full scale at 77 °F (25 °C) for thermocouple K - 200...1300 °C +/- 0.2 % of full scale at 77 °F (25 °C) for thermocouple J - 200...1000 °C +/- 0.2 % of full scale at 77 °F (25 °C) for thermocouple E - 200...800 °C +/- 0.2 % of full scale at 77 °F (25 °C) for thermocouple T - 200...400 °C +/- 0.2 % of full scale at 77 °F (25 °C) for thermocouple N - 200...1300 °C +/- 0.2 % of full scale at 77 °F (25 °C) for thermocouple B 250...400 °C +/- 0.1 % of full scale at 77 °F (25 °C) for thermocouple B 400...1280 °C +/- 0.2 % of full scale at 77 °F (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 pitch 3.81 mm for outputs and supply
Maximum Cable Distance Between Devices	Twisted shielded pairs cable <98.43 ft (30 m) input
Insulation	Between input and internal logic 500 V DC Non-insulated between inputs
Supply Voltage Limits	20.4…28.8 V

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Local Signalling	for PWR 1 LED (green)
Height	1.97 in (50 mm)
Depth	0.83 in (21 mm)
Width	1.34 in (34 mm)
Net Weight	0.12 lb(US) (0.055 kg)
Permissible Continuous Overload	6 V
Input Impedance	>= 1 MOhm

Environment

Immunity To Microbreaks	10 ms

Ordering and shipping details

Category	US10MSX22533
Discount Schedule	0MSX
Gtin	3606480649202
Returnability	No
Country Of Origin	US

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.76 in (7.0 cm)
Package 1 Width	1.18 in (3.0 cm)
Package 1 Length	1.38 in (3.5 cm)
Package 1 Weight	2.61 oz (74.0 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	50
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	9.18 lb(US) (4.164 kg)

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Sustainability

Green Premium^TM 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.
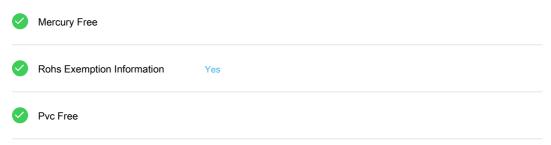
Learn more about Green Premium >

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
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov