Product datasheet

Specification





analogue input cartridge, Modicon M241, 2 temperature inputs

TMC4TI2

Main

Range Of Product	Madian MO44
- Kange Of Froduct	Modicon M241
Product Or Component Type	Analogue input cartridge
Product Compatibility	Modicon M241C
Analogue Input Number	2

Complementary

Analogue Input Type	thermocouple - 2001000 °C with thermocouple J thermocouple - 2001300 °C with thermocouple K thermocouple 01760 °C with thermocouple R
	thermocouple 01760 °C with thermocouple N thermocouple 01760 °C with thermocouple S
	thermocouple 01820 °C with thermocouple B
	thermocouple - 200400 °C with thermocouple T
	thermocouple - 2001300 °C with thermocouple N
	thermocouple - 200800 °C with thermocouple E
	Ni 100/Ni 1000 temperature probe - 60180 °C
	Pt 100 temperature probe - 200850 °C
	Pt 1000 temperature probe - 200600 °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 - 2001300 °C
	+/- 0.2 % of full scale at 25 °C for thermocouple J - 2001000 °C
	+/- 0.2 % of full scale at 25 °C for thermocouple E - 200800 °C
	+/- 0.2 % of full scale at 25 °C for thermocouple T - 200400 °C
	+/- 0.2 % of full scale at 25 °C for thermocouple N - 2001300 °C
	+/- 0.2 % of full scale at 25 °C for thermocouple B 250400 °C
	+/- 0.1 % of full scale at 25 °C for thermocouple B 4001280 °C +/- 0.2 % of full scale at 25 °C for thermocouple R, S 01760 °C
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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 2 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	20.428.8 V
Supply Voltage Limits	

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



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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