Product data sheet
Characteristics

TMC4TI2
cartridge M241 - 2 temperature inputs



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	Temperature probe, input range: - 200...600 °C (Pt 1000) Temperature probe, input range: - 200...850 °C (Pt 100) Temperature probe, input range: - 60...180 °C (Ni 100/Ni 1000) Thermocouple, input range: - 200...800 °C for thermocouple E Thermocouple, input range: - 200...1300 °C for thermocouple N Thermocouple, input range: - 200...400 °C for thermocouple T Thermocouple, input range: 0...1820 °C for thermocouple B Thermocouple, input range: 0...1760 °C for thermocouple S Thermocouple, input range: 0...1760 °C for thermocouple R Thermocouple, input range: - 200...1300 °C for thermocouple K Thermocouple, input range: - 200...1000 °C for thermocouple J
Analogue input resolution	14 bits
Permissible continuous overload	6 V
Input impedance	>= 1 MOhm
LSB value	0.1 °C
Sampling duration	100 ms
Absolute accuracy error	+/- 0.5 % of full scale (Pt 100/Pt 1000, Ni 100/ Ni 1000) +/- 0.1 % of full scale for thermocouple B, input range: 400...1280 °C +/- 0.2 % of full scale for thermocouple B, input range: 250...400 °C +/- 0.2 % of full scale for thermocouple N +/- 0.2 % of full scale for thermocouple E +/- 0.2 % of full scale for thermocouple T +/- 0.2 % of full scale for thermocouple S +/- 0.2 % of full scale for thermocouple R +/- 0.2 % of full scale for thermocouple K +/- 0.2 % of full scale for thermocouple J
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 spring terminal block (pitch 3.81 mm) 1.5 mm² 1 for outputs and supply
Cable length	<= 30 m twisted shielded pairs cable (input)
Insulation	Non-insulated between inputs Between input and internal logic 500 V DC
Supply voltage limits	20.4...28.8 V
Local signalling	1 LED green PWR
Height	50 mm
Depth	21 mm

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Width	34 mm
Product weight	0.055 kg

Environment

Immunity to microbreaks	10 ms

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1350 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Available Download End Of Life Manual