Product data sheet Characteristics

TMC4TI2

cartridge M241 - 2 temperature inputs



Product availability: Stock - Normally stocked in distribution facility



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, input range: - 2001000 °C thermocouple J Thermocouple, input range: - 2001300 °C thermocouple K Thermocouple, input range: 01760 °C thermocouple R Thermocouple, input range: 01760 °C thermocouple S Thermocouple, input range: 01820 °C thermocouple B Thermocouple, input range: - 200400 °C thermocouple T Thermocouple, input range: - 2001300 °C thermocouple N Thermocouple, input range: - 200800 °C thermocouple E Temperature probe, input range: - 60180 °C (Ni 100/Ni 1000) Temperature probe, input range: - 200850 °C (Pt 100) Temperature probe, input range: - 200600 °C (Pt 1000)
Analogue input resolution	14 bits
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 25 °C +/- 0.2 % of full scale thermocouple K - 2001300 °C 25 °C +/- 0.2 % of full scale thermocouple J - 2001000 °C 25 °C +/- 0.2 % of full scale thermocouple E - 200800 °C 25 °C +/- 0.2 % of full scale thermocouple T - 200400 °C 25 °C +/- 0.2 % of full scale thermocouple N - 2001300 °C 25 °C +/- 0.2 % of full scale thermocouple B 250400 °C 25 °C +/- 0.1 % of full scale thermocouple B 4001280 °C 25 °C +/- 0.2 % of full scale thermocouple R, S 01760°C 25 °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 spring terminal block (pitch 3.81 mm) 1.5 mm ² 1 for outputs and supply
Cable distance between devices	Twisted shielded pairs cable: 30 m for input
Insulation	Non-insulated between inputs Between input and internal logic 500 V DC
Supply voltage limits	20.428.8 V
Local signalling	1 LED green PWR
Height	1.97 in (50 mm)
Depth	0.83 in (21 mm)
Width	1.34 in (34 mm)
Product weight	0.12 lb(US) (0.055 kg)
Permissible continuous overload	6 V
Input impedance	>= 1 MOhm

Environment

Immunity to microbreaks	10 ms	
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Ordering and shipping details

Category	22533 - M2XX PLC & ACCESSORIES
Discount Schedule	MSX
GTIN	00785901309659
Nbr. of units in pkg.	1
Package weight(Lbs)	0.140000000000001
Returnability	Υ
Country of origin	ID

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Available
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