

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: - 200...1000 °C thermocouple J Thermocouple, input range: - 200...1300 °C thermocouple K Thermocouple, input range: 0...1760 °C thermocouple R Thermocouple, input range: 0...1760 °C thermocouple S Thermocouple, input range: 0...1820 °C thermocouple B Thermocouple, input range: - 200...400 °C thermocouple T Thermocouple, input range: - 200...1300 °C thermocouple N Thermocouple, input range: - 200...800 °C thermocouple E Temperature probe, input range: - 60...180 °C (Ni 100/Ni 1000) Temperature probe, input range: - 200...850 °C (Pt 100) Temperature probe, input range: - 200...600 °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 - 200...1300 °C 25 °C +/- 0.2 % of full scale thermocouple J - 200...1000 °C 25 °C +/- 0.2 % of full scale thermocouple E - 200...800 °C 25 °C +/- 0.2 % of full scale thermocouple T - 200...400 °C 25 °C +/- 0.2 % of full scale thermocouple N - 200...1300 °C 25 °C +/- 0.2 % of full scale thermocouple B 250...400 °C 25 °C +/- 0.1 % of full scale thermocouple B 400...1280 °C 25 °C +/- 0.2 % of full scale thermocouple R, S 0...1760°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	20.4...28.8 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

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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)	0.14000000000000001
Returnability	Y
Country of origin	ID

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1350 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available
California proposition 65	WARNING: This product can expose you to chemicals including:
----- Substance 1	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
----- More information	For more information go to www.p65warnings.ca.gov

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