



### 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 mm <sup>2</sup> 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
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)

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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	3606480649202
Returnability	No
Country of origin	ID

## 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)

## Offer Sustainability

Sustainable offer status	Green Premium product
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
PVC free	Yes