



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 with thermocouple J Thermocouple - 200...1300 °C with thermocouple K Thermocouple 0...1760 °C with thermocouple R Thermocouple 0...1760 °C with thermocouple S Thermocouple 0...1820 °C with thermocouple B Thermocouple - 200...400 °C with thermocouple T Thermocouple - 200...1300 °C with thermocouple N Thermocouple - 200...800 °C with 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 77 °F (25 °C) Pt 100/Pt 1000, Ni 100/ Ni 1000 +/- 0.2 % of full scale 77 °F (25 °C) thermocouple K - 200...1300 °C +/- 0.2 % of full scale 77 °F (25 °C) thermocouple J - 200...1000 °C +/- 0.2 % of full scale 77 °F (25 °C) thermocouple E - 200...800 °C +/- 0.2 % of full scale 77 °F (25 °C) thermocouple T - 200...400 °C +/- 0.2 % of full scale 77 °F (25 °C) thermocouple N - 200...1300 °C +/- 0.2 % of full scale 77 °F (25 °C) thermocouple B 250...400 °C +/- 0.1 % of full scale 77 °F (25 °C) thermocouple B 400...1280 °C +/- 0.2 % of full scale 77 °F (25 °C) 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 ² 1 spring terminal block pitch 3.81 mm for outputs and supply
Maximum cable distance between devices	Twisted shielded pairs cable: <30 m for input
Insulation	Between input and internal logic 500 V DC Non-insulated between inputs
Supply voltage limits	20.4...28.8 V
Local signalling	1 LED (green) for PWR
Height	1.97 in (50 mm)
Depth	0.83 in (21 mm)
Maximum Width	1.34 in (34 mm)
Net Weight	0.12 lb(US) (0.055 kg)
Permissible continuous overload	6 V
Input impedance	>= 1 MOhm

Environment

Immunity to microbreaks	10 ms
-------------------------	-------

Ordering and shipping details

Category	22533 - M2XX PLC & ACCESSORIES
Discount Schedule	MSX
GTIN	00785901309659
Nbr. of units in pkg.	1
Package weight(Lbs)	0.14 lb(US) (0.06 kg)
Returnability	Yes
Country of origin	ID

Packing Units

Package 1 Height	2.76 in (70.000 mm)
Package 1 width	1.38 in (35.000 mm)
Package 1 Length	1.18 in (30.000 mm)

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 www.P65Warnings.ca.gov
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
PVC free	Yes