



Main

Commercial Status	Commercialised
Range of product	Modicon M241
Product or component type	Analogue input cartridge
Product compatibility	Modicon M241C
Analogue input number	2

Complementary

Analogue input type	Voltage, input range: 0...10 V Current, input range: 0...20 mA Current, input range: 4...20 mA
Analogue input resolution	16 bits
Permissible continuous overload	30 V (voltage) 40 mA (current)
Input impedance	≥ 1 MOhm (voltage) ≤ 250 Ohm (current)
LSB value	2 μ A (current) 1 mV (voltage)
Sampling duration	10 ms
Absolute accuracy error	± 0.2 % of full scale at 25 °C
Temperature drift	± 0.006 %FS/°C
Repeat accuracy	± 0.2 %FS
Non-linearity	± 0.05 %FS
Cross talk	80 dB
Type of cable	Twisted shielded pairs cable
Current consumption	83 mA at 24 V DC via external supply
Power consumption in W	2 W at 24 V DC
Electrical connection	1 spring terminal block (pitch 3.81 mm) 1.5 mm ² 1 for inputs and supply
Cable length	≤ 30 m twisted shielded pairs cable (input)
Insulation	Non-insulated between inputs Between input and internal logic 500 V DC
[Us] rated supply voltage	24 V DC
Supply voltage limits	20.4...28.8 V
Local signalling	1 LED green PWR
Height	50 mm
Depth	21 mm
Width	34 mm
Product weight	0.055 kg

Environment

Immunity to microbreaks	10 ms
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