



Main

Range of product	Modicon M221
Product or component type	Analogue input cartridge
Product compatibility	Modicon M221C
Analogue input number	2

Complementary

Analogue input type	Current, input range: 4...20 mA Current, input range: 0...20 mA Voltage, input range: 0...10 V
Analogue input resolution	12 bits
LSB value	3.91 μ A (current), input range: 4...20 mA 2.44 mV (voltage), input range: 0...10 V 4.88 μ A (current), input range: 0...20 mA
Conversion time	20 ms
Sampling duration	10 ms
Absolute accuracy error	+/- 1 % of full scale +/- 0.1 % of full scale 25 °C
Temperature drift	+/- 0.02 %FS/°C
Repeat accuracy	+/- 0.5 %FS
Non-linearity	+/- 0.01 %FS
Cross talk	<= 1 LSB
Type of cable	Twisted shielded pairs cable
Electrical connection	2 screw terminal blocks (pitch 3.81 mm) 1.5 mm ² 3 for inputs
Cable distance between devices	Twisted shielded pairs cable: 30 m for input
Insulation	Non-insulated between analogue input and internal logic
Height	1.61 in (41 mm)
Depth	0.59 in (15 mm)
Width	1.38 in (35 mm)
Product weight	0.03 lb(US) (0.015 kg)
Permissible continuous overload	13 V (voltage) 40 mA (current)
Input impedance	>= 1 MOhm voltage <= 250 Ohm current

Environment

immunity to microbreaks	10 ms
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Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 1415 - Schneider Electric declaration of conformity	Compliant - since 1415 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Available	Available

WARNING: This product can expose you to chemicals including:	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.	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	For more information go to www.p65warnings.ca.gov