



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	+/- 0.1 % of full scale at 25 °C +/- 1 % of full scale
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 length	<= 30 m twisted shielded pairs cable (input)
Insulation	Non-insulated between analogue input and internal logic
Height	41 mm
Depth	15 mm
Width	35 mm
Product weight	0.015 kg
Permissible continuous overload	13 V (voltage)

	40 mA (current)
Input impedance	<= 250 Ohm current >= 1 MOhm voltage

Environment

Immunity to microbreaks	10 ms
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Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1415 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available Product environmental
Product end of life instructions	Available End of life manual

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