



### 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 $\mu$ A (current), input range: 4...20 mA 2.44 mV (voltage), input range: 0...10 V 4.88 $\mu$ 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 <sup>2</sup> 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 <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>
Product environmental profile	Available <a href="#">Product environmental</a>
Product end of life instructions	Available <a href="#">End of life manual</a>