



## Main

Range of Product	Modicon M221
Product or Component Type	Analogue input cartridge
Product Specific Application	Packaging
Product Compatibility	Modicon M221C
Analogue input number	2

## Complementary

Analogue input type	Current 4...20 mA Current 0...20 mA Voltage 0...10 V
Analogue input resolution	12 bits
LSB value	2.44 mV 0...10 V voltage 4.88 µA 0...20 mA current 3.91 µA 4...20 mA current
Conversion time	20 ms
Sampling duration	10 ms
Absolute accuracy error	+/- 0.1 % of full scale 77 °F (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	3 x 1.5 mm <sup>2</sup> 2 screw terminal blocks pitch 3.81 mm for inputs
Maximum cable distance between devices	Twisted shielded pairs cable <98.43 ft (30 m) 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)
Net Weight	0.03 lb(US) (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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## Ordering and shipping details

Category	22533-M2XX PLC & ACCESSORIES
Discount Schedule	MSX
GTIN	3606480649134
Nbr. of units in pkg.	1
Package weight(Lbs)	0.71 oz (20.0 g)
Returnability	No
Country of origin	CN

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.38 in (3.5 cm)
Package 1 width	1.81 in (4.6 cm)
Package 1 Length	2.76 in (7 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	75
Package 2 Weight	7.29 lb(US) (3.305 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

## 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</a>
PVC free	Yes