

Product datasheet

Specifications



Analogue output cartridge, Modicon M221, 2 analog current outputs, I/O extension

TMC2AQ2C

EAN Code: 3606480649097

Main

Range of product	Modicon M221
Product or component type	Analogue output cartridge
Product compatibility	Modicon M221C

Complementary

Analogue output number	2
Analogue output type	Current: 4...20 mA
Analogue output resolution	12 bits
LSB value	3.91 μ A 4...20 mA current
Load type	Resistive
Load impedance ohmic	\leq 500 Ohm
Conversion time	20 ms
Stabilisation time	40 ms
Absolute accuracy error	+/- 1 % of full scale +/- 0.3 % of full scale at 25 °C
Temperature drift	+/- 0.02 %FS/°C
Repeat accuracy	+/- 0.4 %FS
Non-linearity	+/- 0.01 %FS
Cross talk	\leq 1 LSB
Type of cable	Twisted shielded pairs cable
Electrical connection	3 x 1.5 mm ² 2 screw terminal blocks with pitch 3.81 mm adjustment for outputs
Maximum cable distance between devices	Twisted shielded pairs cable: <30 m for output
Insulation	Non-insulated between analogue output and internal logic
Height	41 mm
Depth	15 mm
Width	35 mm
Net weight	0.015 kg

Environment

Immunity to microbreaks	10 ms
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Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.56 cm
Package 1 Width	5.08 cm
Package 1 Length	6.86 cm
Package 1 Weight	40 g
Unit Type of Package 2	S02
Number of Units in Package 2	75
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	3.364 kg
Unit Type of Package 3	P12
Number of Units in Package 3	2400
Package 3 Height	75 cm
Package 3 Width	120 cm
Package 3 Length	80 cm
Package 3 Weight	118 kg

Contractual warranty

Warranty	18 months
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Sustainability

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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

Well-being performance

Toxic Heavy Metal Free

Mercury Free

Rohs Exemption Information [Yes](#)

Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive [Pro-active compliance \(Product out of EU RoHS legal scope\)](#)
[EU RoHS Declaration](#)

China Rohs Regulation [China RoHS declaration](#)

Environmental Disclosure [Product Environmental Profile](#)

Circularity Profile [End of Life Information](#)