

# Product data sheet

Specifications



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

TMC2AQ2C

### 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 $\mu$ 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 <sup>2</sup> 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
-------------------------	-------

## Packing Units

Unit Type of Package 1	PCE
------------------------	-----

Number of Units in Package 1	1
------------------------------	---

Package 1 Weight	20.0 g
------------------	--------

Package 1 Height	3.5 cm
------------------	--------

Package 1 width	7.0 cm
-----------------	--------

Package 1 Length	4.6 cm
------------------	--------

Unit Type of Package 2	S02
------------------------	-----

Number of Units in Package 2	75
------------------------------	----

Package 2 Weight	3.364 kg
------------------	----------

Package 2 Height	15.0 cm
------------------	---------

Package 2 width	30.0 cm
-----------------	---------

Package 2 Length	40.0 cm
------------------	---------

## Offer Sustainability

Sustainable offer status	Green Premium product
--------------------------	-----------------------

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
----------	-----

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>
---------------------------	---