

# Product datasheet

Specifications



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

TMC2AQ2C

Price: 2,312.99 ZAR

## 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 µA 4...20 mA current                                                     |
| Load Type                              | Resistive                                                                     |
| Load Impedance Ohmic                   | <= 500 Ohm                                                                    |
| Conversion Time                        | 20 ms                                                                         |
| Stabilisation Time                     | 40 ms                                                                         |
| Absolute Accuracy Error                | +/- 1 % of full scale<br>+/- 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                             | <= 1 LSB                                                                      |
| Type Of Cable                          | Twisted shielded pairs cable                                                  |
| Electrical Connection                  | 3 x 1.5 mm² 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

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                              |          |
|------------------------------|----------|
| 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   |

Sustainability



**Green Premium™ label** is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**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 |
| ✓ Pvc Free                   |     |

## Certifications & Standards

|                          |                                                                                                   |
|--------------------------|---------------------------------------------------------------------------------------------------|
| Reach Regulation         | <a href="#">REACH Declaration</a>                                                                 |
| Eu Rohs Directive        | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</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>                                                           |