

# Product datasheet

Specifications



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

TMC2AQ2V

**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	Voltage: 0...10 V
Analogue Output Resolution	12 bits
LSb Value	2.44 mV 0...10 V voltage
Load Type	Resistive
Load Impedance Ohmic	$\geq 2$ kOhm
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
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## Packing Units

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

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	3.5 cm
<b>Package 1 Width</b>	7.0 cm
<b>Package 1 Length</b>	4.6 cm
<b>Package 1 Weight</b>	20.0 g
<b>Unit Type Of Package 2</b>	S02
<b>Number Of Units In Package 2</b>	75
<b>Package 2 Height</b>	15 cm
<b>Package 2 Width</b>	30 cm
<b>Package 2 Length</b>	40 cm
<b>Package 2 Weight</b>	3.356 kg
<b>Unit Type Of Package 3</b>	P06
<b>Number Of Units In Package 3</b>	1200
<b>Package 3 Height</b>	75 cm
<b>Package 3 Width</b>	60 cm
<b>Package 3 Length</b>	80 cm
<b>Package 3 Weight</b>	75 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.

[Learn more about Green Premium >](#)

[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** [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](#)