Product data sheet

Specifications



analogue output cartridge, Modicon M221, 2 analog voltage outputs, IO extension

TMC2AQ2V

Product availability: Non-Stock - Not normally stocked in distribution facility

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	>= 2 kOhm
Conversion time	20 ms
Stabilisation time	40 ms
Absolute accuracy error	+/- 1 % of full scale +/- 0.3 % of full scale at 77 °F (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 <98.4 ft (30 m) output
Insulation	Non-insulated between analogue output and internal logic
Height	1.6 in (41 mm)
Depth	0.6 in (15 mm)
Width	1.4 in (35 mm)
Product Weight	0.033 lb(US) (0.015 kg)

Environment

Immunity to microbreaks	10 ms

Ordering and shipping details

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Category	US10MSX22533
Discount Schedule	0MSX
GTIN	3606480649103
Returnability	No
Country of origin	JP

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.4 in (3.5 cm)
Package 1 Width	2.8 in (7.0 cm)
Package 1 Length	1.8 in (4.6 cm)
Package weight(Lbs)	0.7 oz (20.0 g)
Unit Type of Package 2	S02
Number of Units in Package 2	75
Package 2 Height	5.9 in (15 cm)
Package 2 Width	11.8 in (30 cm)
Package 2 Length	15.7 in (40 cm)
Package 2 Weight	7.399 lb(US) (3.356 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	1200
Package 3 Height	29.5 in (75 cm)
Package 3 Width	23.6 in (60 cm)
Package 3 Length	31.5 in (80 cm)
Package 3 Weight	165.3 lb(US) (75 kg)

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Total lifecycle Carbon footprint	**20 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**1 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**19 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0 kg CO2 eq.**
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
EU RoHS Directive	Compliant
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
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 www.P65Warnings.ca.gov**
PVC free	**Yes**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Circularity Profile	End of Life Information
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.**