Product data sheet
Characteristics

TMC2AQ2V
analogue output cartridge, Modicon M221, 2 analog voltage outputs, IO extension



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 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

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.5 Cm
Package 1 Width	7.0 Cm
Package 1 Length	4.6 Cm

Package 1 Weight	20.0 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	3.356 Kg
Unit Type of Package 3	P06
Number of Units in Package 3	1200
Package 3 Height	75 Cm
Package 3 Width	60 Cm
Package 3 Length	80 Cm
Package 3 Weight	75 Kg

Offer Sustainability

Total lifecycle Carbon footprint	20 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.970154321
Carbon footprint of the manufacturing phase [A1 to A3]	1 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.0025804321
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0000589938
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	19.2708305556
Carbon footprint of the use phase [B2, B3, B4, B6]	19 kg CO2 eq.
Toxic heavy metal free	Yes
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.0079898148
Carbon footprint of the end-of-life phase [C1 to C4]	0 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	20
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which
PVC free	Yes
End of life manual availability	End Of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised