Product data sheet
Characteristics

TMCR2AM3
Cartridge Modicon M200, 2 Analog inputs / 1 Analog output



Main

Range of product	Modicon M200
Product or component type	Analogue I/O cartridge
Product compatibility	Easy Modicon M200
Analogue input number	2

Complementary

Analogue input type	Current 4...20 mA Current 0...20 mA Voltage 0...10 V voltage 0...5 V
Analogue input resolution	16 bits
Analogue output number	1
Analogue output type	Current: 4...20 mA Voltage: 0...10 V Current: 0...20 mA Voltage: 0...5 V
Analogue output resolution	16 bits
LSB value	2 µA 0...5 Vvoltage 4...20 mA current 2 µA 0...10 Vvoltage 0...20 mA current 1 mV 0...20 mAcurrent 0...5 V voltage 1 mV 4...20 mAcurrent 0...10 V voltage
Load type	Resistive
Load impedance ohmic	<= 500 Ohm >= 2 kOhm
Conversion time	2 ms
Sampling duration	1 Ms
Stabilisation time	40 Ms
Absolute accuracy error	+/- 1 % of full scale at 55 °C
Cross talk	80 dB
Type of cable	Twisted shielded pairs cable
Electrical connection	7 x 1.5 mm² screw terminal block with pitch 3.5 mm adjustment for inputs and outputs
Maximum cable distance between devices	Twisted shielded pairs cable: <30 m for input/output
Insulation	Between output and internal logic
Local signalling	1 LED (green) for PWR
Height	41 Mm
Depth	15 Mm
Width	35 Mm
Net weight	0.024 Kg

Permissible continuous overload	40 mA, analogue input type: current 30 V, analogue input type: voltage
Input impedance	<= 250 Ohm current >= 1 MOhm voltage

Environment

Marking	CE

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5 Cm
Package 1 Width	6.3 Cm
Package 1 Length	8.9 Cm
Package 1 Weight	46 G
Unit Type of Package 2	S02
Number of Units in Package 2	32
Package 2 Height	15 Cm
Package 2 Width	30 Cm
Package 2 Length	40 Cm
Package 2 Weight	1830 G
Unit Type of Package 3	P12
Number of Units in Package 3	1536
Package 3 Height	95 Cm
Package 3 Width	80 Cm
Package 3 Length	120 Cm
Package 3 Weight	96840 G

Offer Sustainability

Recyclability potential, in %	0
Total lifecycle Carbon footprint	65 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	2.910836253237207
Carbon footprint of the manufacturing phase [A1 to A3]	3 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.019080236149061854
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0011786132276612226
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	62.322747042518536
Carbon footprint of the use phase [B2, B3, B4, B6]	62 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.047027639243196896
Carbon footprint of the end-of-life phase [C1 to C4]	0 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	65
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 By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which
End of life manual availability	End Of Life Information
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status :	Commercialised