

# Product data sheet

Specifications



## analogue output cartridge, Modicon M241, 2 analog outputs

TMC4AQ2

### Main

Range of product	Modicon M241
Product or component type	Analogue output cartridge
Product compatibility	Modicon M241C

### Complementary

Analogue output number	2
Analogue output type	Current: 4...20 mA Voltage: 0...10 V
Analogue output resolution	16 bits
LSB value	1 mV 0...10 V voltage 2 $\mu$ A 4...20 mA current
load type	Resistive
Load impedance ohmic	$\leq$ 500 Ohm current $\geq$ 2 kOhm voltage
Conversion time	10 ms + 1 controller cycle time
Stabilisation time	10 ms
Absolute accuracy error	+/- 0.2 % of full scale at 25 °C
Temperature drift	+/- 0.006 %FS/°C
Repeat accuracy	+/- 0.5 %FS
Non-linearity	+/- 0.05 %FS
Output ripple	+/- 20 mV
Cross talk	80 dB
Type of cable	Twisted shielded pairs cable
Electrical connection	1 x 1.5 mm <sup>2</sup> 1 spring terminal block with pitch 3.5 mm adjustment for outputs and supply
Maximum cable distance between devices	Twisted shielded pairs cable: <30 m for input
Insulation	Between output and internal logic at 500 V DC Non-insulated between outputs
Supply voltage limits	20.4...28.8 V
Local signalling	1 LED (green) for PWR
Height	50 mm
Depth	21 mm
Width	34 mm

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Net weight	0.055 kg
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## Environment

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Immunity to microbreaks	10 ms
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## Packing Units

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Unit Type of Package 1	PCE
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Number of Units in Package 1	1
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Package 1 Height	7.0 cm
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Package 1 Width	3.0 cm
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Package 1 Length	3.5 cm
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Package 1 Weight	74.0 g
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Unit Type of Package 2	S02
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Number of Units in Package 2	27
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Package 2 Height	15 cm
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Package 2 Width	30 cm
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Package 2 Length	40 cm
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Package 2 Weight	2.042 kg
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Unit Type of Package 3	P06
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Number of Units in Package 3	432
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Package 3 Height	75 cm
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Package 3 Width	60 cm
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Package 3 Length	80 cm
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Package 3 Weight	44 kg
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## 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

[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](#)

Pro-active compliance (Product out of EU RoHS legal scope)

SCIP Number

D8dbab46-37ab-4503-807f-893da69cb5e6

REACH Regulation

[REACH Declaration](#)

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](http://www.P65Warnings.ca.gov)

PVC free

Yes

## Use Again

### Repack and remanufacture

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 never end up in rubbish bins