

analogue input cartridge, Modicon M241, 2 analog current inputs

TMC4AI2

Main

Range of product	Modicon M241	
Product or component type	Analogue input cartridge	
Product compatibility	Modicon M241C	
Analogue input number	2	

Complementary

J		
Analogue input type	current 420 mA current 020 mA voltage 010 V	
Analogue input resolution	12 bits	
LSB value	1 mVvoltage 2 μAcurrent	
Sampling duration	10 ms	
Absolute accuracy error	+/- 0.2 % of full scale at 25 °C	
Temperature drift	+/- 0.006 %FS/°C	
Repeat accuracy	+/- 0.2 %FS	
Non-linearity	+/- 0.05 %FS	
Cross talk	80 dB	
Type of cable	Twisted shielded pairs cable	
Electrical connection	1 x 1.5 mm² 1 spring terminal block with pitch 3.5 mm adjustment for inputs and supply	
Maximum cable distance between devices	Twisted shielded pairs cable: <30 m for input	
Insulation	Between input and internal logic at 500 V DC Non-insulated between inputs	
Supply voltage limits	20.428.8 V	
Local signalling	1 LED (green) for PWR	
Height	50 mm	
Depth	21 mm	
Width	34 mm	
Product weight	0.055 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

Immunity to microbreaks	10 ms		

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7 cm
Package 1 Width	3.5 cm
Package 1 Length	3 cm
Package 1 Weight	74 g
Unit Type of Package 2	S02
Number of Units in Package 2	27
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	2.24 kg



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	34
Environmental Disclosure	Product Environmental Profile

Use Better

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
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