

# Analogue input cartridge, Modicon M221, hoisting 2 analog I/O extension

TMC2HOIS01

## Main

Range of product	Modicon M221	
Product or component type	Analogue input cartridge	
Product specific application	Hoisting applications	
Product compatibility	Modicon M221C	
Analogue input number	2	

# Complementary

Analogue input type	current 420 mA current 020 mA voltage 010 V	
Analogue input resolution	12 bits	
LSB value	2.44 mV 010 Vvoltage 4.88 μA 020 mAcurrent 3.91 μA 420 mAcurrent	
Conversion time	20 ms	
Sampling duration	10 ms	
Absolute accuracy error	+/- 0.1 % of full scale at 25 °C +/- 1 % of full scale	
Temperature drift	+/- 0.02 %FS/°C	
Repeat accuracy	+/- 0.5 %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 inputs	
Maximum cable distance between devices	Twisted shielded pairs cable: <30 m for input	
Insulation	Non-insulated between analogue input and internal logic	
Height	41 mm	
Depth	15 mm	
Width	35 mm	
Product weight	0.015 kg	
Permissible continuous overload	13 V, analogue input type: voltage 40 mA, analogue input type: current	
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	3.500 cm
Package 1 Width	4.800 cm
Package 1 Length	7.000 cm
Package 1 Weight	37.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	75
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	3.295 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	5
Environmental Disclosure	Product Environmental Profile

### **Use Better**

Packaging made with recycled cardboard	No
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
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