

# Product datasheet

Specifications



## distributed analog input Modicon Momentum - 8 Input

Local distributor code:

395517101

170AAI03000

**EAN Code: 3595861147683**

### Main

Range of product	Modicon Momentum automation platform
Product or component type	Analogue input base
Analogue input number	8

### Complementary

Data format	Full 16 bits signed
Absolute accuracy error	+/- 0.13 % full scale 25 °C 1...5 V +/- 0.19 % full scale 60 °C 1...5 V +/- 0.21 % full scale 25 °C +/- 5 V +/- 0.26 % full scale 60 °C +/- 5 V +/- 0.27 % full scale 25 °C +/- 10 V +/- 0.27 % full scale 25 °C 4...20 mA +/- 0.32 % full scale 25 °C +/- 20 mA +/- 0.32 % full scale 60 °C +/- 10 V +/- 0.38 % full scale 60 °C 4...20 mA +/- 0.41 % full scale 60 °C +/- 20 mA
Conversion time	12 ms 8
Permissible common mode voltage	100 V 47...63 Hz DC between channels to ground 250 V 47...63 Hz AC between channels to ground
Common mode rejection	> 80 dB between channels to ground
External power requirement	< 382 mA DC 20.4...28.8 V DC 24 V DC
Reverse polarity protection	Internal
Analogue input type	Differential +/-20 mA Differential 4...20 mA Differential +/- 10 V Differential +/- 5 V Differential 1...5 V Differential +/- 20 mA
Analogue input resolution	14 bits + sign +/- 20 mA 15 bits + sign 4...20 mA 14 bits + sign +/- 10 V 14 bits + sign +/- 5 V 15 bits + sign 1...5 V
Input impedance	250 kOhm > 0.1 kOhm
Common mode rejection	> 80 dB
Isolation between channels	+/- 200 V
Isolation between channels and bus	500 V AC
Isolation between channels and ground	500 V AC
Electrical connection	2 connectors for removable terminal blocks

<b>Local signalling</b>	1 LED green for ready 8 LEDs for channel status
<b>Height</b>	125 mm
<b>Width</b>	141.5 mm
<b>Depth</b>	47.5 mm
<b>Net weight</b>	0.215 kg

## Environment

<b>Protective treatment</b>	TC
<b>Marking</b>	CE
<b>Product certifications</b>	FM Class 1 Division 2 CSA UL
<b>Standards</b>	EN 50081-2 IEC 1131
<b>Ambient air temperature for operation</b>	0...60 °C
<b>Ambient air temperature for storage</b>	-40...85 °C
<b>Relative humidity</b>	0...95 % without condensation
<b>Operating altitude</b>	<= 5000 m

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	5.500 cm
<b>Package 1 Width</b>	18.000 cm
<b>Package 1 Length</b>	26.000 cm
<b>Package 1 Weight</b>	400.000 g
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	10
<b>Package 2 Height</b>	30.000 cm
<b>Package 2 Width</b>	30.000 cm
<b>Package 2 Length</b>	40.000 cm
<b>Package 2 Weight</b>	4.421 kg

## Logistical informations

<b>Country of origin</b>	FR
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## Contractual warranty

<b>Warranty (in months)</b>	18
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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

No

SCIP Number

441d5619-6318-4bbf-ac83-96d05888ee7e

## Use Longer



### Lifetime extension

Repair

No

## Use Again



### Repack and remanufacture

End of life manual availability

[End of Life Information](#)

Take-back

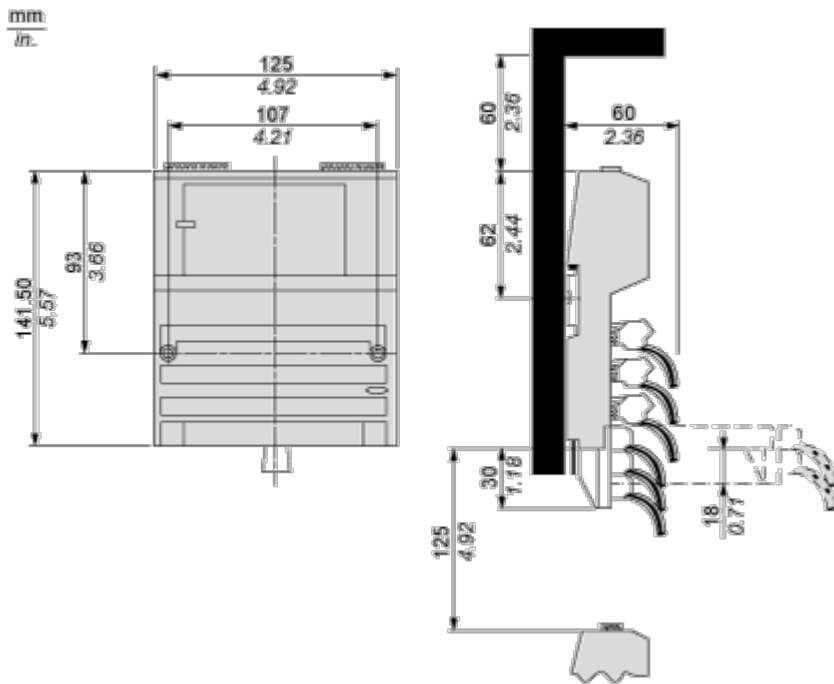
No

Dimensions Drawings

Standard Adapter on a Typical Base

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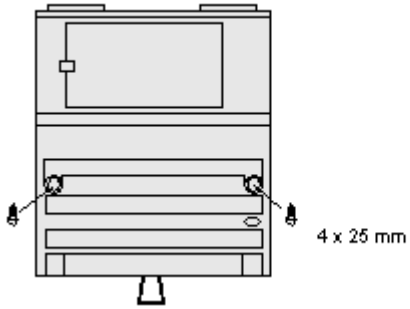
Dimensions



Mounting and Clearance

Mounting on a Wall

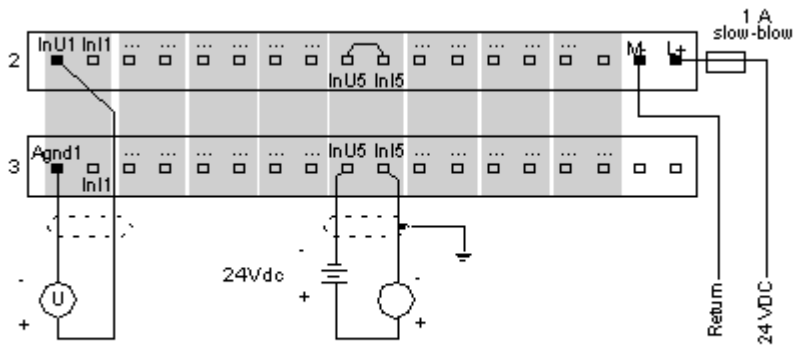
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Connections and Schema

External Wiring Diagram

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Examples

- \* Channel 1, wired for voltage input
- \* Channel 5, wired for current input

Internal Pin Connections

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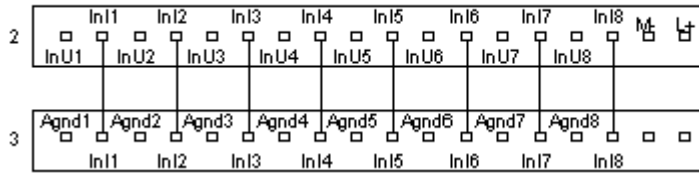


Image of product / Alternate images

Alternative

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