

Product datasheet

Specifications



distributed analog input Modicon Momentum - 16 Input

Local distributor code:
395517114 170AAI14000

EAN Code: 3595861147690

Main

Range of product	Modicon Momentum automation platform
Product or component type	Analogue input base
Analogue input number	16
Type of filter	Low pass input filter 10 kHz

Complementary

Data format	Full 16 bits signed
Absolute accuracy error	+/- 0.15 % of full scale 25 °C +/- 10 V +/- 0.15 % of full scale 25 °C +/- 5 V +/- 0.25 % full scale 25 °C 4...20 mA +/- 0.25 % full scale 60 °C +/- 10 V +/- 0.25 % full scale 60 °C +/- 5 V +/- 0.45 % full scale 60 °C 4...20 mA
Full scale	10 V +/- 10 V 16 mA 4...20 mA 5 V +/- 5 V
Update time	25 ms
Permissible common mode voltage	100 V 47...63 Hz DC between channels to ground 250 V 47...63 Hz AC between channels to ground
External power requirement	+/- 30 V DC
Reverse polarity protection	Internal
Analogue input type	Single ended 4...20 mA Single ended +/- 10 V Single ended +/- 5 V
Analogue input resolution	12 bits 4...20 mA 12 bits + sign +/- 10 V 12 bits + sign +/- 5 V
Input impedance	< 0.25 Ohm > 2200 kOhm
Temperature drift	30 %oFS/°C +/- 10 V 60 %oFS/°C 4...20 mA
Typical current consumption	305 mA at 24 V DC
Power dissipation in W	5.55 W
Isolation between channels and ground	1780 V AC
Electrical connection	2 connectors for removable terminal blocks
Protection type	Internal 2 A slow-blow
Associated fuse rating	500 mA, fast blow
Local signalling	16 LEDs for channel status

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Height	125 mm
Width	141.5 mm
Depth	47.5 mm
Net weight	0.215 kg

Environment

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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.5 cm
Package 1 Width	18.0 cm
Package 1 Length	26.0 cm
Package 1 Weight	385.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	10
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	3.85 kg
Unit Type of Package 3	P06
Number of Units in Package 3	80
Package 3 Height	75.0 cm
Package 3 Width	60.0 cm
Package 3 Length	80.0 cm
Package 3 Weight	46 kg

Logistical informations

Country of origin	FR
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Contractual warranty

Warranty (in months)	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

EU RoHS Directive

[Compliant By Exemption](#)

REACH Regulation

[Reference contains Substances of Very High Concern above the threshold](#)

Use Longer



Lifetime extension

Repair

No

Use Again



Repack and remanufacture

End of life manual availability

[End of Life Information](#)

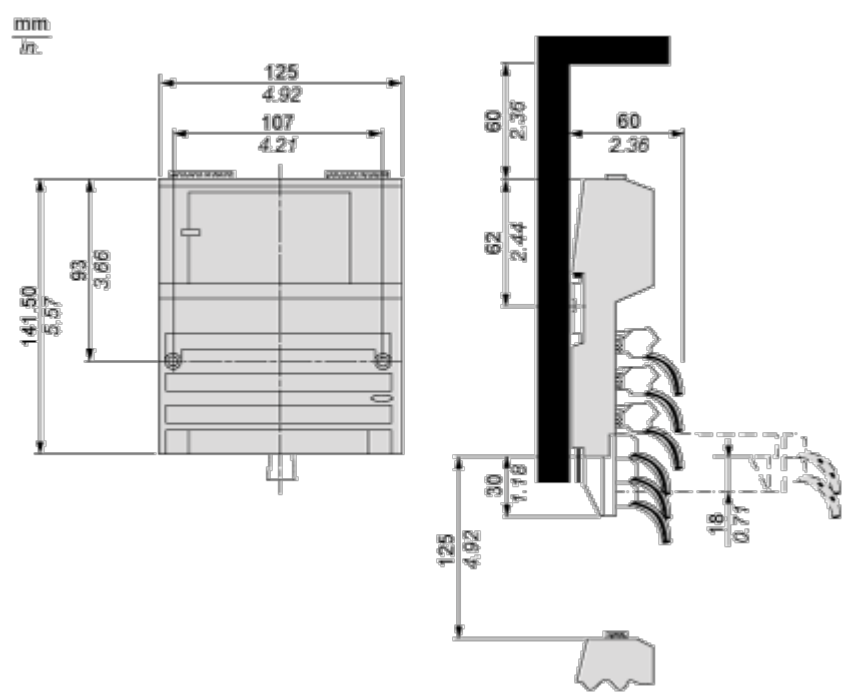
Take-back

Nej

Dimensions Drawings

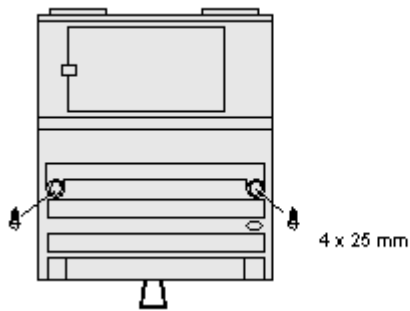
Standard Adapter on a Typical Base

Dimensions



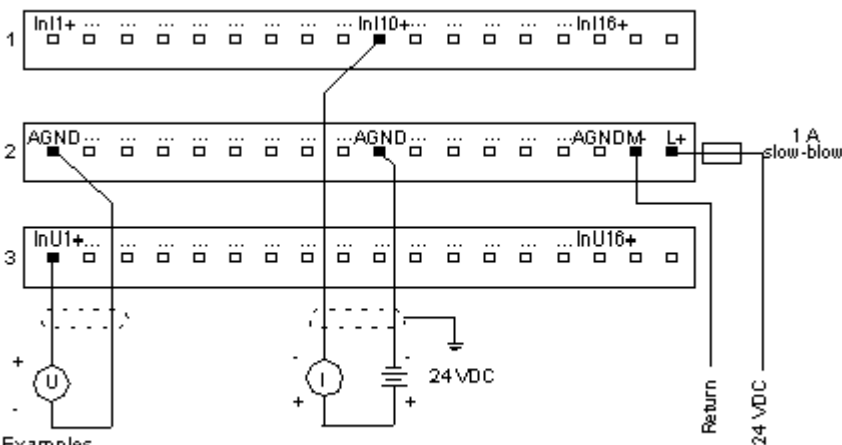
Mounting and Clearance

Mounting on a Wall



Connections and Schema

External Wiring Diagram



Examples

- * Channel 1, wired for voltage input
- * Channel 10, wired for current input

Internal Pin Connections

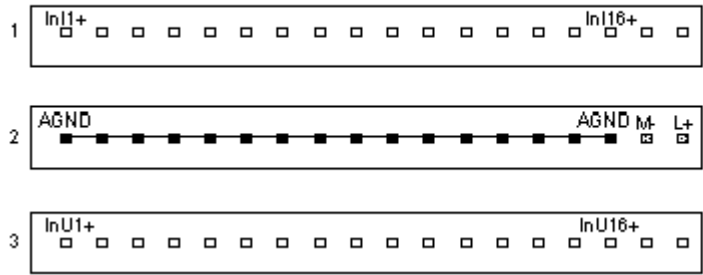


Image of product / Alternate images

Alternative

