

Product datasheet

Specifications



discrete input module Modicon Momentum - 16 Input 24 V DC

170ADI34000

Price: 6,755.55 ZAR

Main

Range Of Product	Modicon Momentum automation platform
Product Or Component Type	Discrete inputs base DC
Group Of Channels	1 group of 16 inputs
Discrete Input Number	16 conforming to IEC 1131-2 Type 1
Discrete Input Voltage	24 V DC
Protective Treatment	TC

Complementary

Discrete Input Logic	Positive
Input Voltage Limits	24 V
Voltage Range	- 3...30 V
Voltage State 0 Guaranteed	-3...5 V
Voltage State 1 Guaranteed	11...30 V
Current State 0 Guaranteed	<= 1.2 mA
Current State 1 Guaranteed	>= 2.5 mA
Input Resistance	4 kOhm
Response Time	2.2 ms from state 0 to state 1 3.3 ms from state 1 to state 0
Isolation Between Channels And Bus	500 V AC
Power Dissipation	5 W maximum 3 W typical
Terminals Description Plc N°1	(8)IN_DIS#8 (5)IN_DIS#5 (16)IN_DIS#16 (4)IN_DIS#4 (3)IN_DIS#3 (13)IN_DIS#13 (14)IN_DIS#14 (10)IN_DIS#10 (L+)PW_POS (M-)PW_NEG (6)IN_DIS#6 (7)IN_DIS#7 (1)IN_DIS#1 (11)IN_DIS#11 (9)IN_DIS#9 (15)IN_DIS#15 (12)IN_DIS#12 TB (2)IN_DIS#2
Marking	CE

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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

Local Signalling	16 LEDs for channel status
Current Consumption	<= 250 mA at 24 V DC
Depth	47.5 mm
Height	141.5 mm
Width	125 mm
Net Weight	0.19 kg

Environment

Product Certifications	FM Class 1 Division 2 CSA UL
Resistance To Electrostatic Discharge	4 kV contact conforming to IEC 801-2 8 kV on air conforming to IEC 801-2
Resistance To Electromagnetic Fields	10 V/m 80...1000 MHz conforming to IEC 801-3
Ambient Air Temperature For Operation	0...60 °C
Ambient Air Temperature For Storage	-40...85 °C
Relative Humidity	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	5.7 cm
Package 1 Width	18.2 cm
Package 1 Length	26.0 cm
Package 1 Weight	388.0 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	10
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	4.321 kg

Contractual warranty

Warranty	18 months
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Sustainability

Green Premium™ label is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)



Transparency RoHS/REACH

Well-being performance

✓

Mercury Free

✓

Rohs Exemption Information

Yes

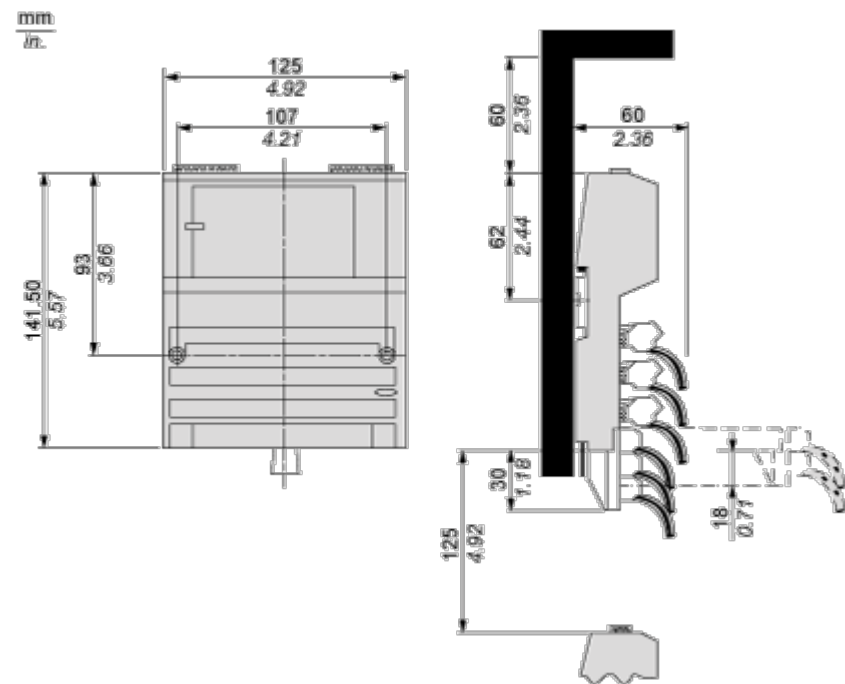
Certifications & Standards

Reach Regulation	REACH Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information

Dimensions Drawings

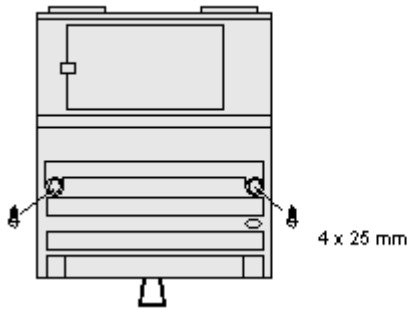
Standard Adapter on a Typical Base

Dimensions



Mounting and Clearance

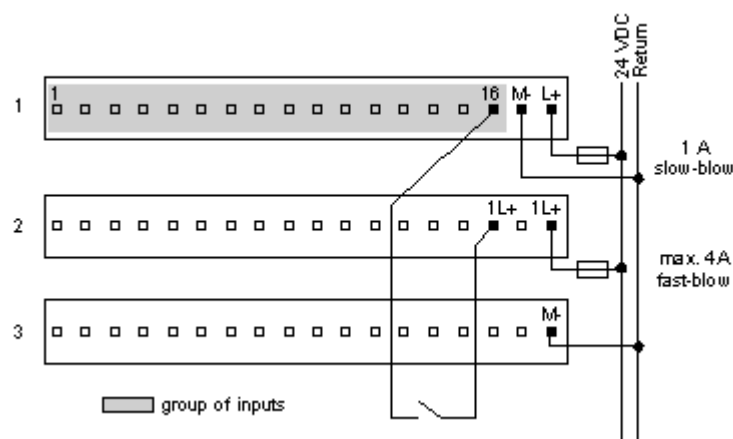
Mounting on a Wall



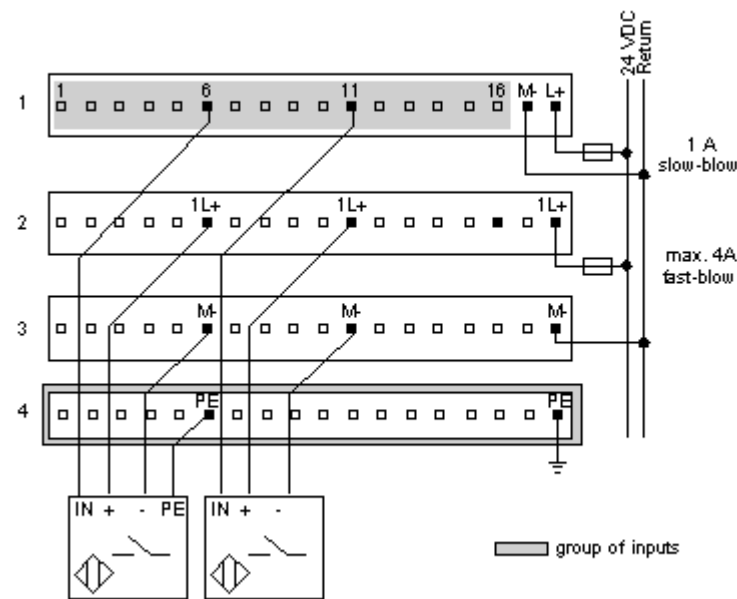
Connections and Schema

External Wiring Diagrams

2-Wire Device



3- and 4-Wire Devices



Internal Pin Connections

Rows 1 through 3 show the internal connections between terminals on the I/O base. Row 4 shows the internal connections on the optional busbar.

