

Product datasheet

Specifications



discrete I/O module Modicon Momentum - 10I / 8O solid state

170ADM69051

Price: 13,309.87 ZAR

Main

Range Of Product	Modicon Momentum automation platform
Product Or Component Type	Discrete triac I/O base AC
Group Of Channels	1 group of 10 inputs 1 group of 8 outputs
Discrete Input Number	10 conforming to IEC 1131-2 Type 2
Discrete Input Logic	Positive
Discrete Input Voltage	120 V AC
Discrete Output Number	8
Discrete Output Type	Triac
Discrete Output Voltage	120...132 V DC
Discrete Output Logic	Positive
Protective Treatment	TC

Complementary

[Us] Rated Supply Voltage	120 V AC
Input Voltage Limits	74...132 V
Network Frequency	47...63 Hz
Voltage State 0 Guaranteed	< 20 V
Voltage State 1 Guaranteed	> 74 V
Current State 0 Guaranteed	<= 2.6 mA
Current State 1 Guaranteed	>= 6 mA
Input Resistance	4 kOhm
Discrete Output Current	2 A per group 4 A per module 30 mA...0.5 A per point
Maximum Leakage Current	1.3 mA at 120 V (output circuit)
Maximum Voltage Drop	<1.5 V 0.5 A at state 1 output circuit
Operating Rate	3000 cyc/h 0.5 A inductive
Response Time	1/2 x 1/f from state 0 to state 1 on input 1/2 x 1/f from state 0 to state 1 on output 1/2 x 1/f from state 1 to state 0 on input 1/2 x 1/f from state 1 to state 0 on output
Isolation Between Channels And Bus	1780 V AC

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

Power Dissipation	<= 8 W 6 W
Protection Type	Internal 2 x 2.5 A slow-blow fuses
Marking	CE
Terminals Description Plc N°1	(8)IN_DIS#8 (5)IN_DIS#5 (9)IN_DIS#9 (4)IN_DIS#4 (10)IN_DIS#10 (3)IN_DIS#3 (L1)PW (N)PW (6)IN_DIS#6 (7)IN_DIS#7 (1)IN_DIS#1 TB (2)IN_DIS#2
Terminals Description Plc N°2	(3)OUT_DIS#3 (6)OUT_DIS#6 (1N)PW (2)OUT_DIS#2 (1L1)PW (8)OUT_DIS#8 (7)OUT_DIS#7 (1)OUT_DIS#1 (4)OUT_DIS#4 (5)OUT_DIS#5 TB_1
Current Consumption	160 mA at 120 V AC
Depth	47.5 mm
Height	141.5 mm
Width	125 mm
Net Weight	0.22 kg

Environment

Product Certifications	UL CSA
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	9 cm
Package 1 Width	18.5 cm
Package 1 Length	25.5 cm
Package 1 Weight	484 g
Unit Type Of Package 2	S02

Number Of Units In Package 2	6
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	2.904 kg
Unit Type Of Package 3	S04
Number Of Units In Package 3	12
Package 3 Height	30 cm
Package 3 Width	40 cm
Package 3 Length	60 cm
Package 3 Weight	6.52 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

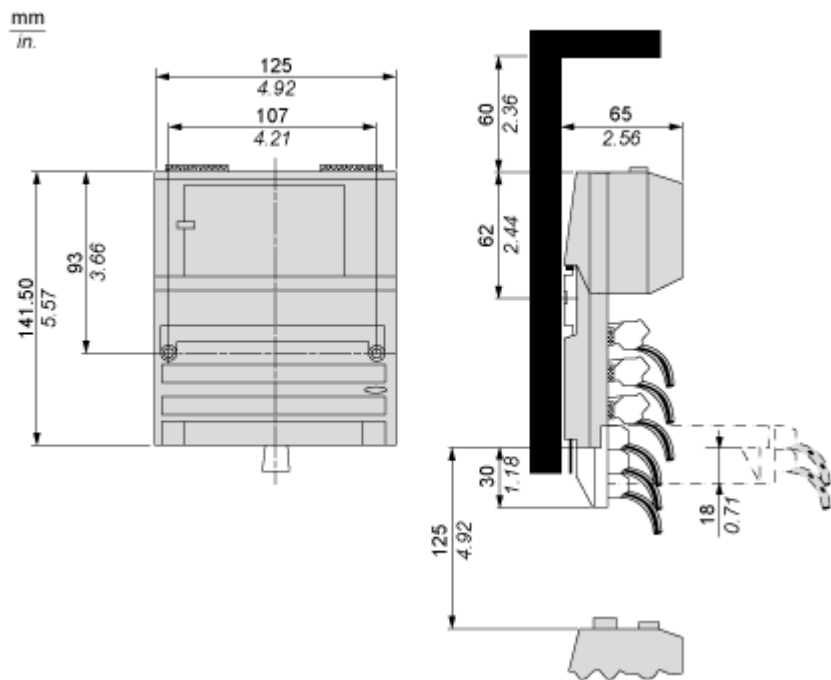
✓ Mercury Free	
✓ Rohs Exemption Information	Yes

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

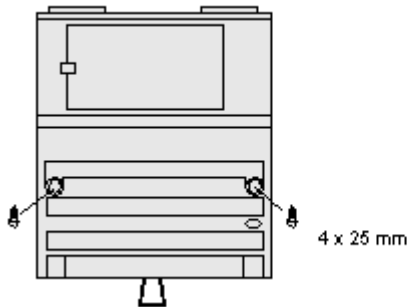
Dimensions Drawings

Standard Adapter on a Discrete VAC Base



Mounting and Clearance

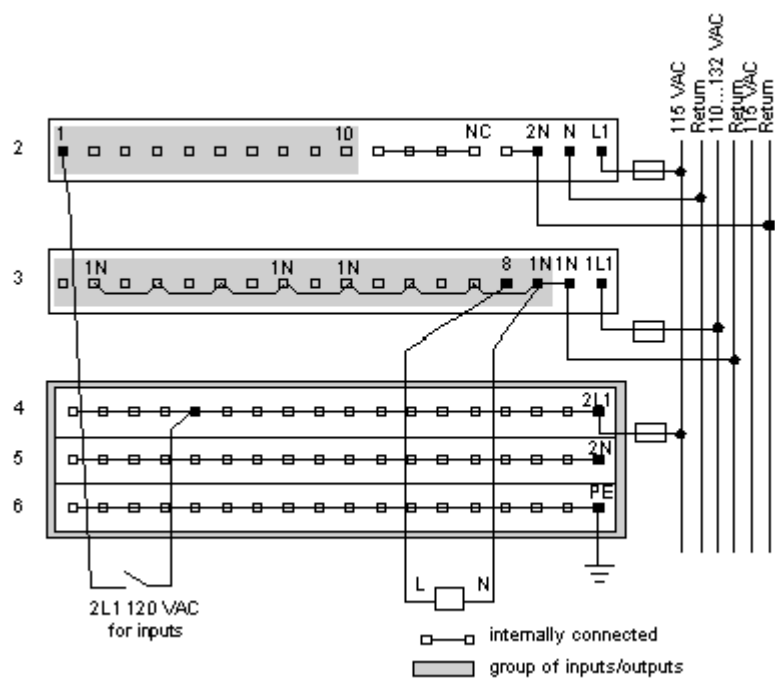
Mounting on a Wall



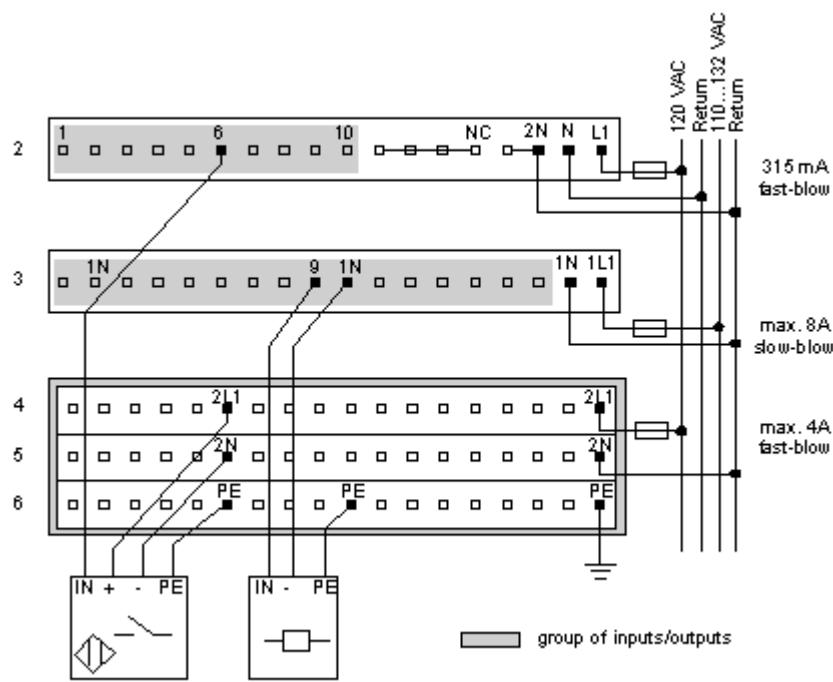
Connections and Schema

External Wiring Diagrams

2-Wire Sensor with a 2-Wire Actuator



4-Wire Sensor with a 3-Wire Actuator



Internal Pin Connections

Rows 1 through 3 show the internal connections between terminals on the I/O base. Rows 4 through 6 show the internal connections on the optional busbar.

