

Product datasheet

Specifications



discrete output module Modicon Momentum - 16 O solid state

170ADO54050

Price: 15,355.76 ZAR

Main

Range Of Product	Modicon Momentum automation platform
Product Or Component Type	Discrete output base AC
Group Of Channels	2 groups of 8 outputs
Discrete Output Number	16
Discrete Output Type	Triac
Discrete Output Voltage	120 V AC
Current Per Channel	0.5 A
Short-Circuit Protection	Internal fuse, 5 A slow-blow per group
Protective Treatment	TC

Complementary

[Ue] Rated Operational Voltage	120 V AC
Discrete Output Current	4 A per group 8 A per module
Minimum Output Current	30 mA
Maximum Leakage Current	1.9 mA 120 V AC
Surge Current	10 A for 2 cycles 15 A for 1 cycle 5 A for 3 cycles
Maximum Voltage Drop	<1.5 V 0.5 A at state 1
Output Overload Protection	Internal fuse
Response Time	1/2 x 1/f (= 0.5 of one line cycle) from state 0 to state 1 1/2 x 1/f (= 0.5 of one line cycle) from state 1 to state 0
Isolation Between Channels And Bus	1780 V AC for 1 minute
Power Dissipation	7.5 W maximum 6 W typical
Marking	CE
Local Signalling	16 LEDs for channel status
Current Consumption	125 mA at 120 V AC

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

Terminals Description Plc N°1	(3)OUT_DIS#3 (4)OUT_DIS#4 (12)OUT_DIS#12 (8)OUT_DIS#8 TB (10)OUT_DIS#10 (1N)PW (1)OUT_DIS#1 (9)OUT_DIS#9 (1L+)PW (5)OUT_DIS#5 (13)OUT_DIS#13 (15)OUT_DIS#15 (2)OUT_DIS#2 (11)OUT_DIS#11 (6)OUT_DIS#6 (7)OUT_DIS#7 (14)OUT_DIS#14 (16)OUT_DIS#16
Depth	47.5 mm
Height	141.5 mm
Width	125 mm
Net Weight	0.284 kg

Environment

Product Certifications	CSA UL FM Class 1 Division 2
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 cm
Package 1 Length	25.5 cm
Package 1 Weight	494 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	6
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	2.964 kg
Unit Type Of Package 3	PAL
Number Of Units In Package 3	48

Package 3 Height	60 cm
Package 3 Width	80 cm
Package 3 Length	48 cm
Package 3 Weight	23.712 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

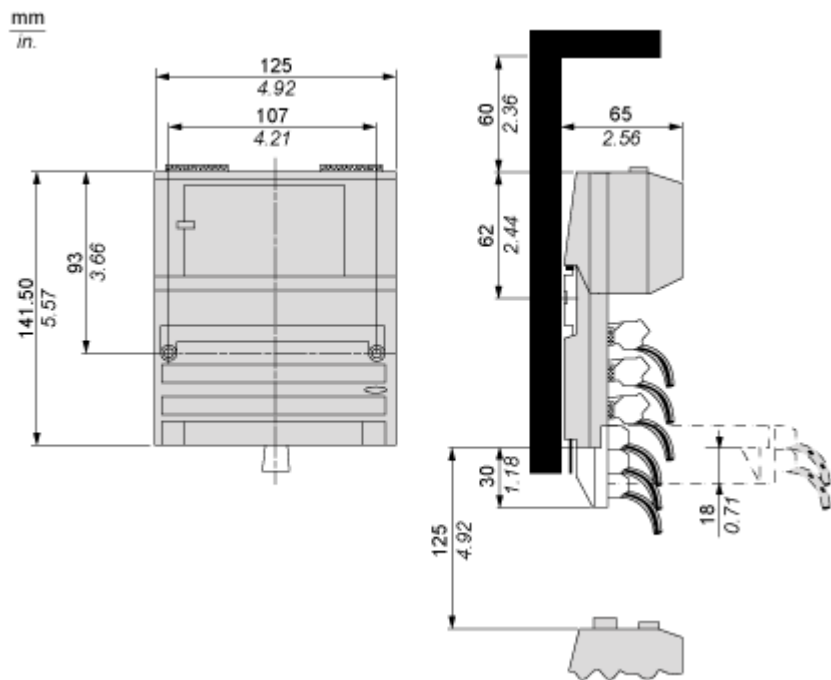
Yes

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

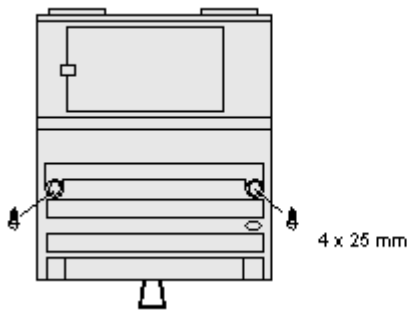
Dimensions Drawings

Standard Adapter on a Discrete VAC Base



Mounting and Clearance

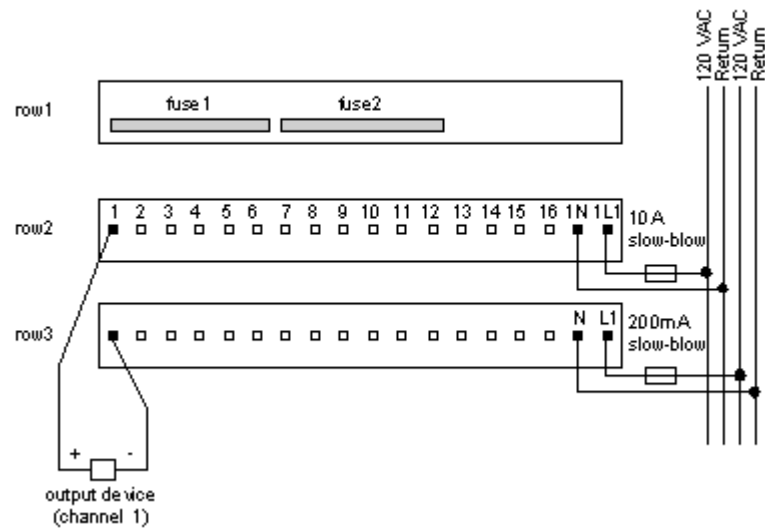
Mounting on a Wall



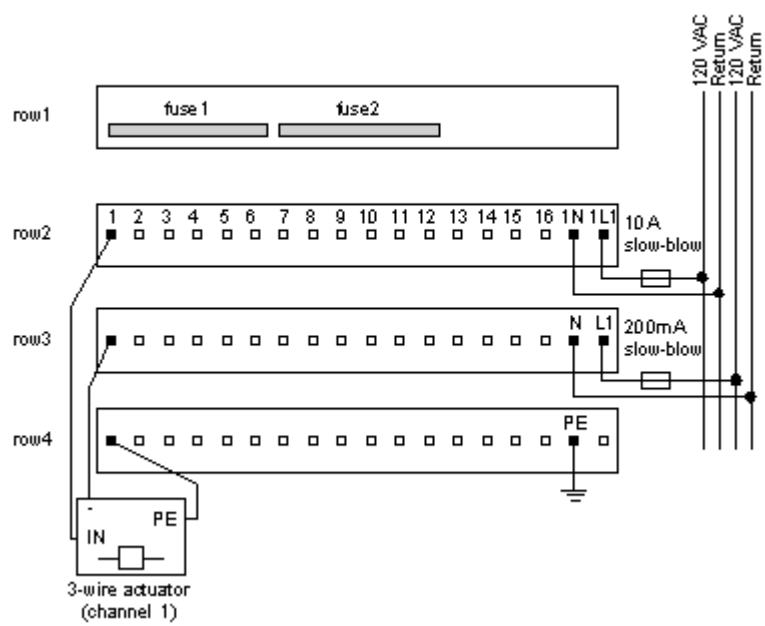
Connections and Schema

External Wiring Diagrams

2-Wire Device



3-Wire Device



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.

