

# Product datasheet

Specifications



## discrete output module Modicon Momentum - 16 O solid state

170ADO74050

Price: 16,176.60 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   | 230 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     | 230 V AC                                                                                                                   |
| Discrete Output Current            | 4 A per group<br>8 A per module                                                                                            |
| Minimum Output Current             | 30 mA                                                                                                                      |
| Maximum Leakage Current            | 2.4 mA 230 V AC                                                                                                            |
| Surge Current                      | 10 A for 2 cycles<br>15 A for 1 cycle<br>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<br>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                  | 6 W typical<br>7.5 W maximum                                                                                               |
| Marking                            | CE                                                                                                                         |
| Local Signalling                   | 16 LEDs for channel status                                                                                                 |
| Current Consumption                | 65 mA at 230 V AC                                                                                                          |

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

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

## Environment

|                                       |                                                                             |
|---------------------------------------|-----------------------------------------------------------------------------|
| Product Certifications                | UL<br>CSA<br>FM Class 1 Division 2                                          |
| Resistance To Electrostatic Discharge | 4 kV contact conforming to IEC 801-2<br>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             | 9.5 cm   |
| Package 1 Width              | 18.0 cm  |
| Package 1 Length             | 26.0 cm  |
| Package 1 Weight             | 482.0 g  |
| Unit Type Of Package 2       | S03      |
| Number Of Units In Package 2 | 6        |
| Package 2 Height             | 30.0 cm  |
| Package 2 Width              | 30.0 cm  |
| Package 2 Length             | 40.0 cm  |
| Package 2 Weight             | 2.892 kg |

## Contractual warranty

Warranty

18 months

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-CO<sub>2</sub> 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

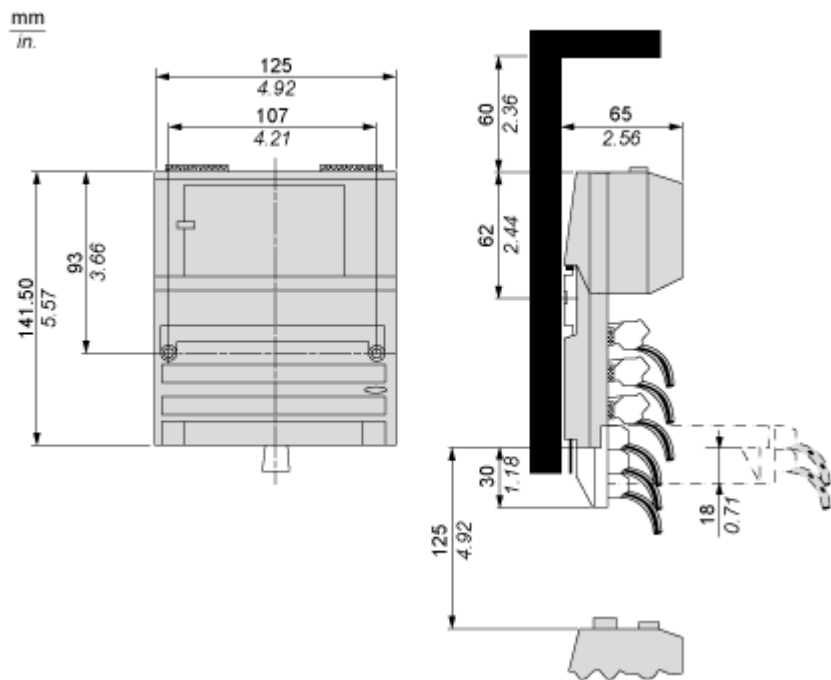
Yes

## Certifications & Standards

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

Dimensions Drawings

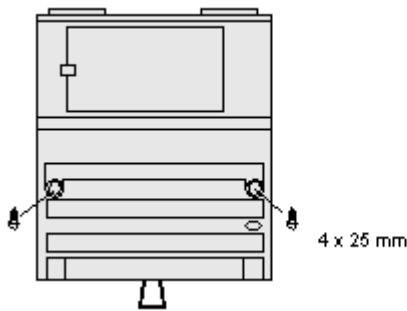
Standard Adapter on a Discrete VAC Base



Mounting and Clearance

Mounting on a Wall

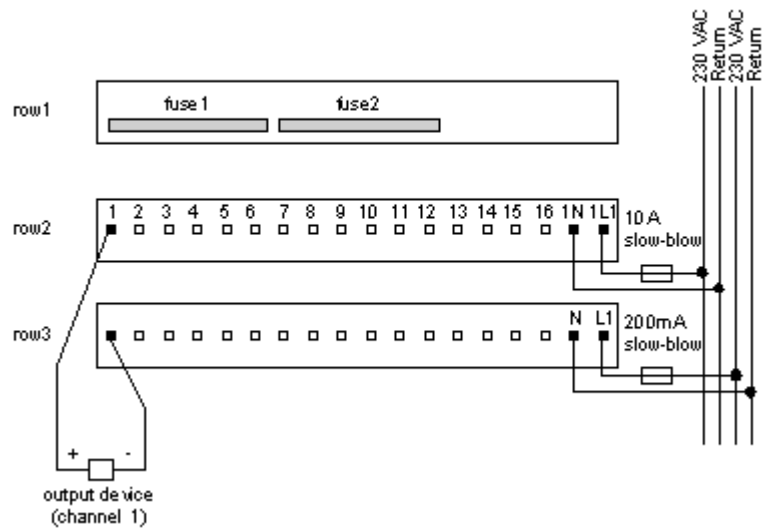
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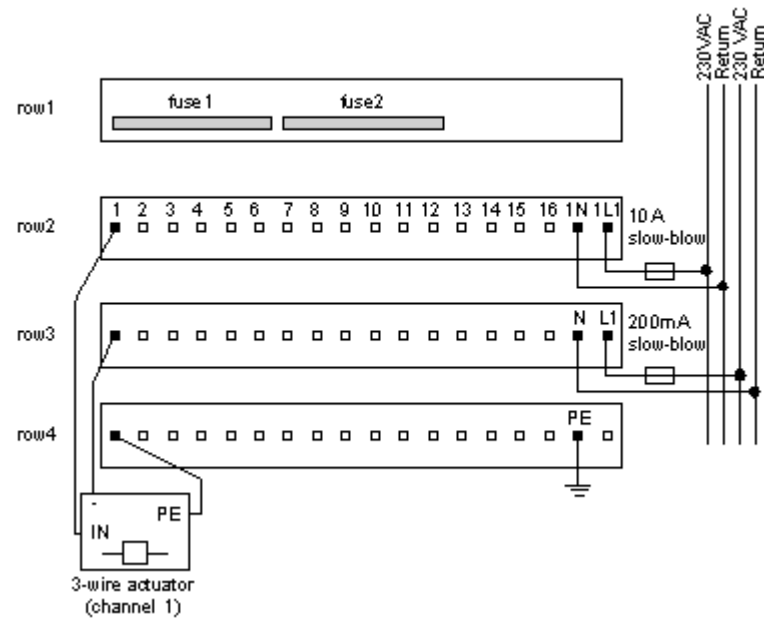
Connections and Schema

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.

