

# Product data sheet

Specifications



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

170ADM69051

**Product availability: Stock - Normally stocked in distribution facility**

### 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 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 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

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

<b>Power dissipation</b>	<= 8 W 6 W
<b>Protection Type</b>	Internal 2 x 2.5 A slow-blow fuses
<b>Marking</b>	CE
<b>Terminals description PLC n°1</b>	(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
<b>Terminals description PLC n°2</b>	(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
<b>Current consumption</b>	160 mA 120 V AC
<b>Depth</b>	1.9 in (47.5 mm)
<b>Height</b>	5.6 in (141.5 mm)
<b>Width</b>	4.9 in (125 mm)
<b>Net Weight</b>	0.49 lb(US) (0.22 kg)

## Environment

<b>Product Certifications</b>	UL CSA
<b>Resistance to electrostatic discharge</b>	4 kV contact IEC 801-2 8 kV on air IEC 801-2
<b>Resistance to electromagnetic fields</b>	9.1 V/m (10 V/m) 80...1000 MHz IEC 801-3
<b>Ambient Air Temperature for Operation</b>	32...140 °F (0...60 °C)
<b>Ambient Air Temperature for Storage</b>	-40...185 °F (-40...85 °C)
<b>Relative Humidity</b>	95 % without condensation
<b>Operating altitude</b>	<= 16404.2 ft (5000 m)

## Ordering and shipping details

<b>Category</b>	US1PC3118206
<b>Discount Schedule</b>	PC31
<b>GTIN</b>	3595860019271
<b>Returnability</b>	Yes
<b>Country of origin</b>	ID

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1
<b>Package 1 Height</b>	3.543 in (9.000 cm)
<b>Package 1 Width</b>	7.283 in (18.500 cm)
<b>Package 1 Length</b>	10.039 in (25.500 cm)
<b>Package weight(Lbs)</b>	17.072 oz (484.000 g)
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	6
<b>Package 2 Height</b>	11.811 in (30.000 cm)
<b>Package 2 Width</b>	11.811 in (30.000 cm)
<b>Package 2 Length</b>	15.748 in (40.000 cm)
<b>Package 2 Weight</b>	7.399 lb(US) (3.356 kg)

## Contractual warranty

<b>Warranty</b>	18 months
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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

[EU RoHS Directive](#)

Pro-active compliance (Product out of EU RoHS legal scope)

SCIP Number

441d5619-6318-4bbf-ac83-96d05888ee7e

REACH Regulation

[REACH Declaration](#)

California proposition 65

WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## Use Again

### Repack and remanufacture

[Circularity Profile](#)

[End of Life Information](#)

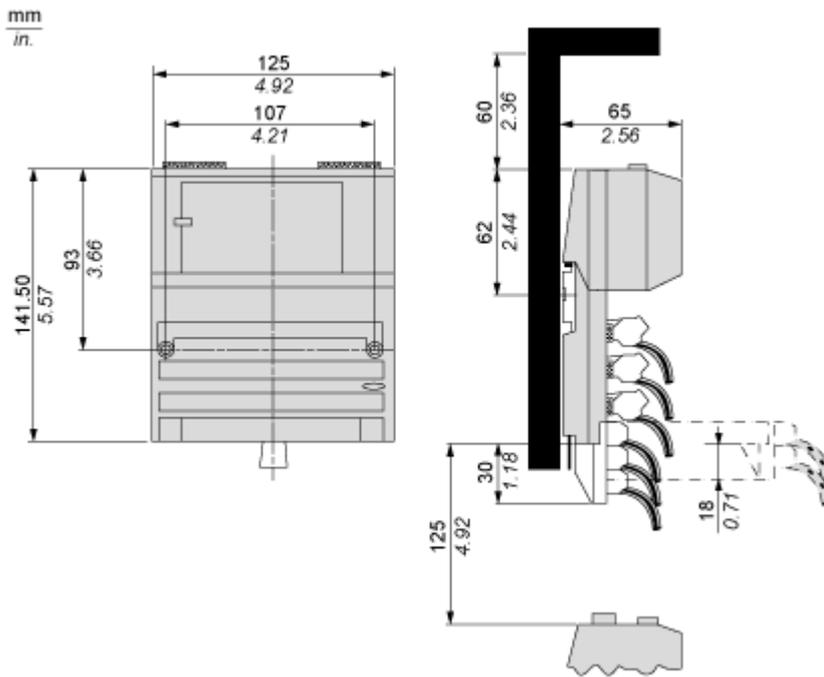
Take-back

No

Dimensions Drawings

Standard Adapter on a Discrete VAC Base

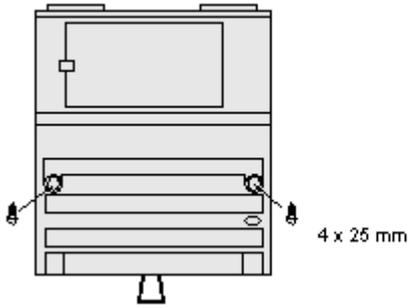
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Mounting and Clearance

Mounting on a Wall

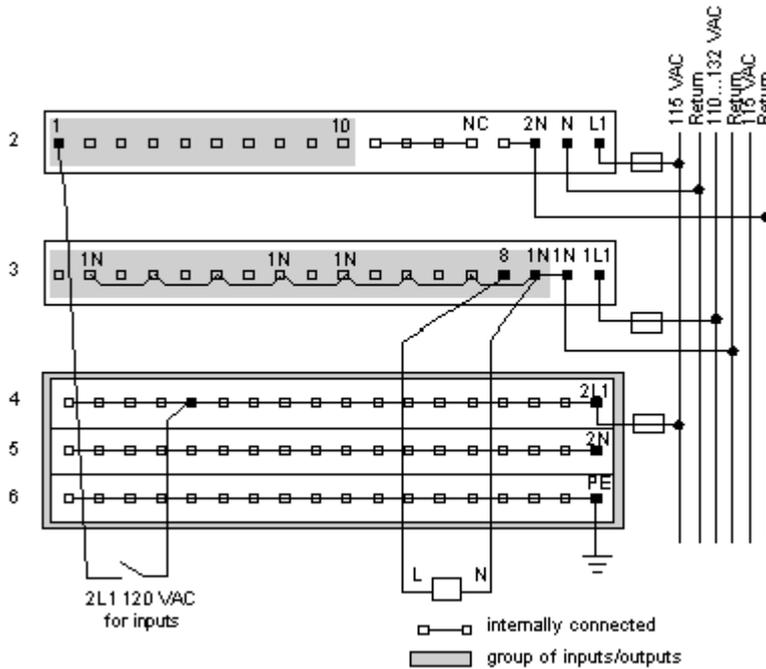
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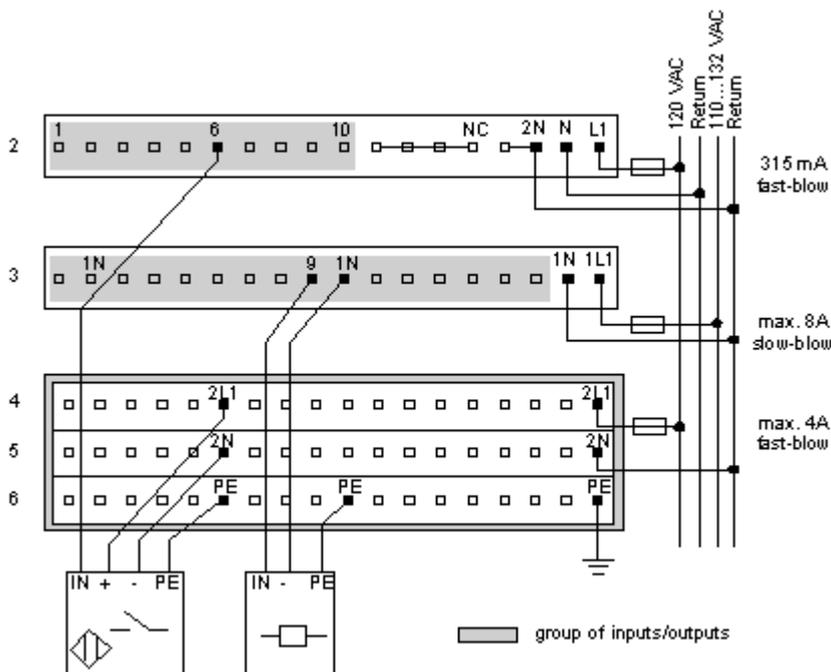
Connections and Schema

External Wiring Diagrams

2-Wire Sensor with a 2-Wire Actuator



4-Wire Sensor with a 3-Wire Actuator



**Internal Pin Connections**

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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.

