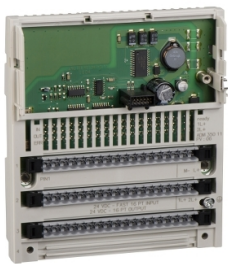


Product datasheet

Specifications



discrete I/O module Modicon Momentum - 16I / 8O solid state

Local distributor code:

395517224

170ADM37010

EAN Code: 3595861147638

Main

Range of product	Modicon Momentum automation platform
Product or component type	Discrete solid state I/O base DC
Group of channels	4 groups of 4 inputs 2 groups of 4 outputs
Discrete input number	16 conforming to IEC 1131-2 Type 1
Discrete input logic	Positive
Discrete input voltage	24 V DC
Discrete output number	8
Discrete output type	Solid state switch
Discrete output voltage	<= 30 V DC 24 V DC
Discrete output logic	Positive
Protective treatment	TC

Complementary

[Us] rated supply voltage	24 V DC
Input voltage limits	- 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
Discrete output current	16 A per module 2 A per point 8 A per group
Maximum leakage current	1 mA at 24 V (output circuit)
Peak output current	2.8 A
Fault type	Short circuit on output Overload on output
Response time	< 0.1 ms from state 0 to state 1 on output < 0.1 ms from state 1 to state 0 on output 2.2 ms from state 0 to state 1 on input 3.3 ms from state 1 to state 0 on input
Isolation between channels and bus	500 V AC

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	6.5 W <= 10 W
Marking	CE
Terminals description PLC n°1	(11)IN_DIS#11 (M-)PW_NEG (L+)PW_POS (7)IN_DIS#7 (15)IN_DIS#15 (16)IN_DIS#16 (1)IN_DIS#1 (4)IN_DIS#4 (6)IN_DIS#6 (14)IN_DIS#14 (13)IN_DIS#13 (5)IN_DIS#5 TB (12)IN_DIS#12 (10)IN_DIS#10 (8)IN_DIS#8 (2)IN_DIS#2 (3)IN_DIS#3 (9)IN_DIS#9
Terminals description PLC n°2	(5)OUT_DIS#5 (1)OUT_DIS#1 (2)OUT_DIS#2 (4)OUT_DIS#4 (6)OUT_DIS#6 (8)OUT_DIS#8 (7)OUT_DIS#7 (3)OUT_DIS#3 (1L+)PW_POS (2L+)PW_POS TB_1
Current consumption	250 mA at 24 V DC
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	5.500 cm
Package 1 Width	18.000 cm
Package 1 Length	26.000 cm

Package 1 Weight	394.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	10
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	4.381 kg

Logistical informations

Country of origin	ID
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Contractual warranty

Warranty	18 months
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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

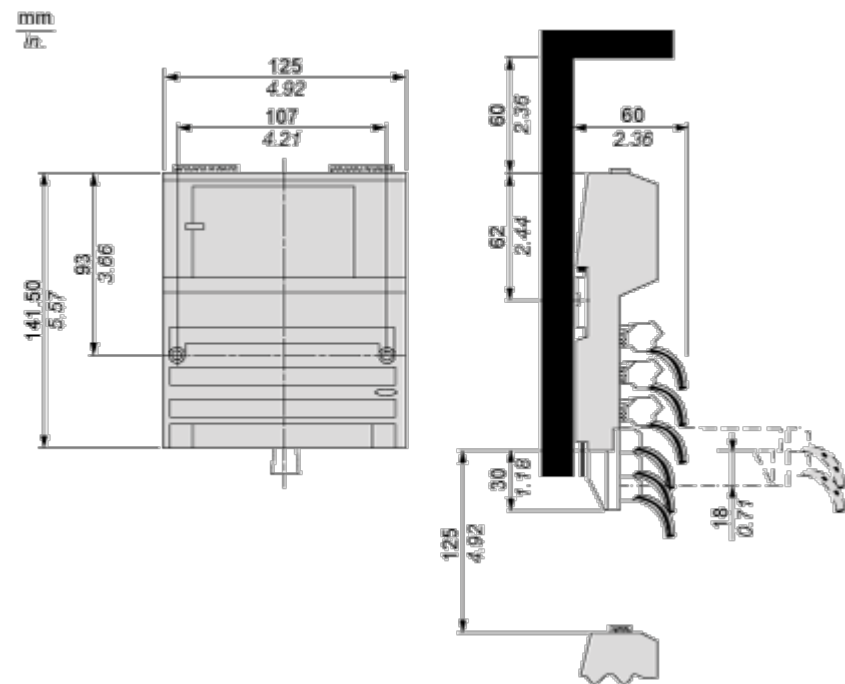
Use Again

Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Dimensions Drawings

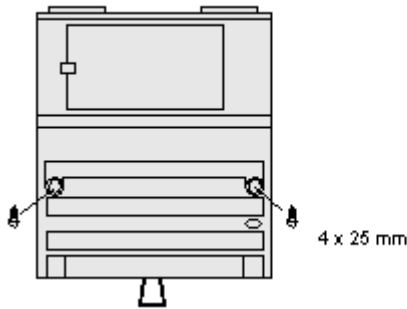
Standard Adapter on a Typical Base

Dimensions



Mounting and Clearance

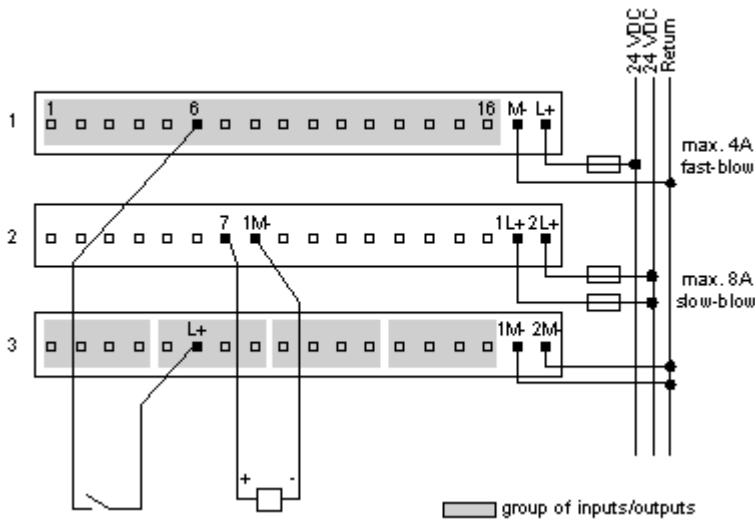
Mounting on a Wall



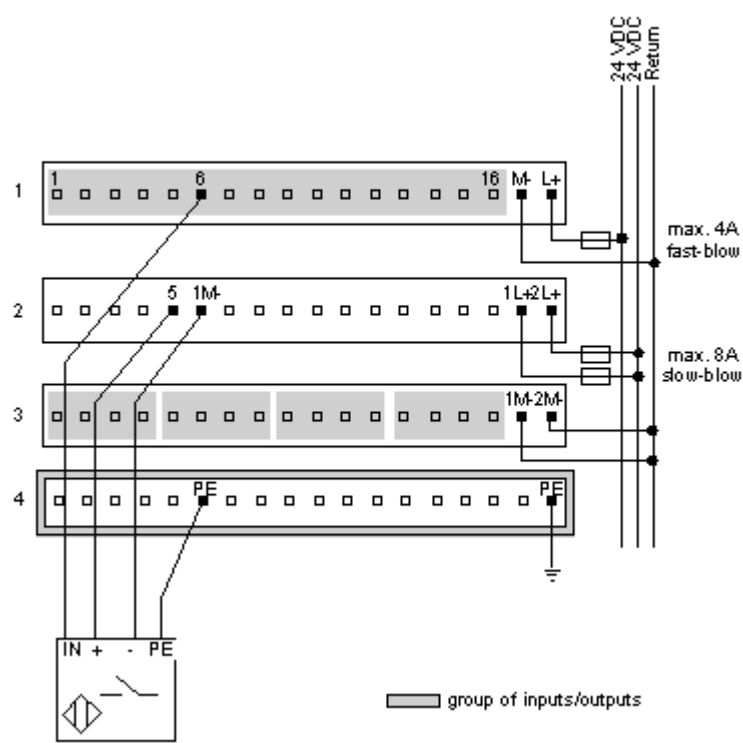
Connections and Schema

External Wiring Diagrams

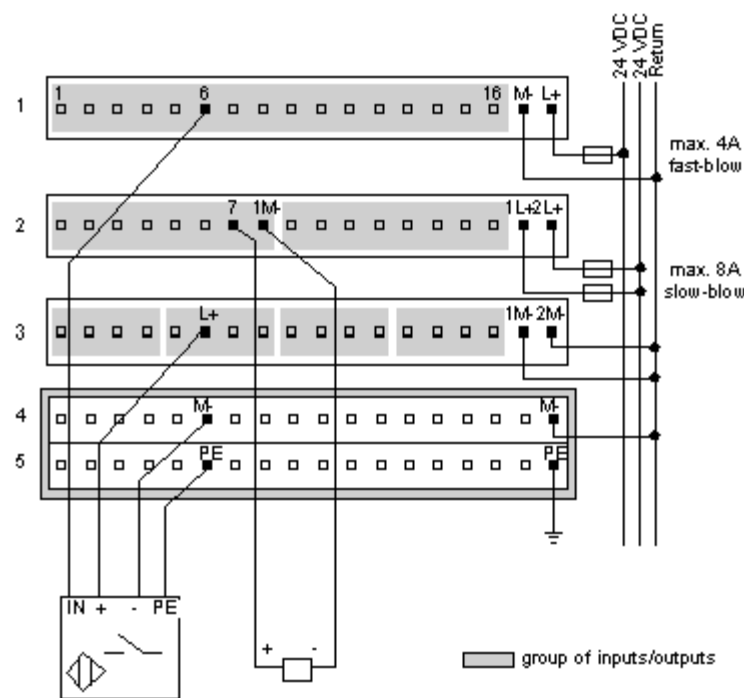
2-Wire Devices



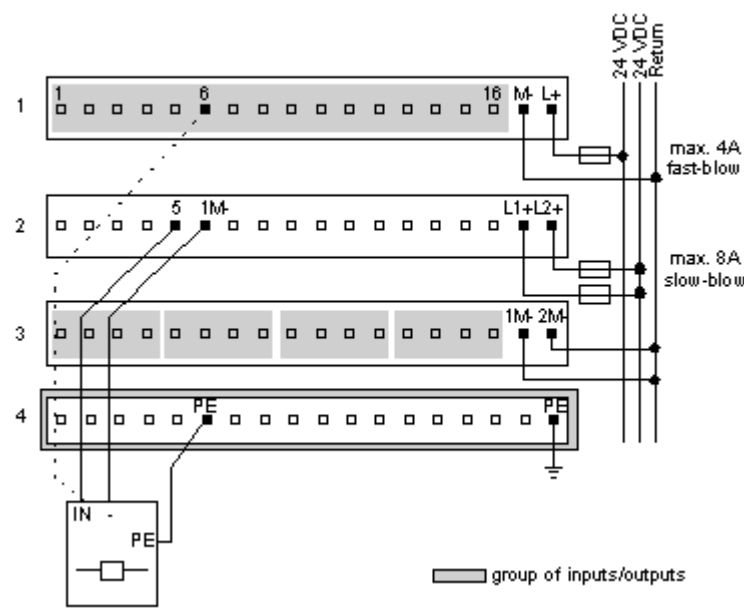
Sensor Activated by Output



Four-Wire Sensor with a Two-Wire Actuator



Broken Wire Detection



Internal Pin Connections

Rows 1 through 3 show the internal connections between terminals on the I/O base. Rows 4 through 5 show the internal connections on the optional busbar.

