Product data sheet

Specification





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

170ADM35010

Product availability: Stock - Normally stocked in distribution facility

Main

Range Of Product	Modicon Momentum automation platform
Product Or Component Type	Discrete solid state I/O base DC
Group Of Channels	2 groups of 8 outputs 1 group of 16 inputs
Discrete Input Number	16 IEC 1131-2 Type 1
Discrete Input Logic	Positive
Discrete Input Voltage	24 V DC
Discrete Output Number	16
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	- 330 V
Voltage State 0 Guaranteed	-35 V
Voltage State 1 Guaranteed	1130 V
Current State 0 Guaranteed	<= 1.2 mA
Current State 1 Guaranteed	>= 2.5 mA
Input Resistance	4 kOhm
Discrete Output Current	4 A per group 8 A per module 0.5 A per point
Maximum Leakage Current	1 mA 24 V output circuit)
Peak Output Current	5 A
Maximum Voltage Drop	<0.5 V 0.5 A at state 1 output circuit
Fault Type	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

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

Danier Biratian	· · ·
Power Dissipation	6 W <= 8 W
Mandata a	
Marking	CE
Terminals Description Plc N°1	(L+)PW_POS (8)IN_DIS#8 (6)IN_DIS#6 (5)IN_DIS#5 TB (2)IN_DIS#2 (12)IN_DIS#12 (M-)PW_NEG (15)IN_DIS#15 (13)IN_DIS#13 (10)IN_DIS#10 (3)IN_DIS#3 (9)IN_DIS#3 (9)IN_DIS#9
	(7)IN_DIS#7 (1)IN_DIS#1 (11)IN_DIS#11 (14)IN_DIS#14 (16)IN_DIS#16 (4)IN_DIS#4
Terminals Description Plc N°2	(10)OUT_DIS#10 (6)OUT_DIS#6 (8)OUT_DIS#8 (1)OUT_DIS#1 (11)OUT_DIS#11 (4)OUT_DIS#4 (5)OUT_DIS#5 (15)OUT_DIS#5 (15)OUT_DIS#15 (2L+)PW_POS TB_1 (7)OUT_DIS#7 (2)OUT_DIS#2 (14)OUT_DIS#4 (9)OUT_DIS#9 (13)OUT_DIS#3 (1L+)PW_POS (12)OUT_DIS#3 (1L+)PW_POS (12)OUT_DIS#12
Local Signalling	for channel status 16 LEDs
Current Consumption	250 mA 24 V DC
Depth	1.87 in (47.5 mm)
Height	5.57 in (141.5 mm)
Width	4.92 in (125 mm)
Net Weight	0.44 lb(US) (0.2 kg)
Environment	
Product Certifications	UL CSA
Resistance To Electrostatic Discharge	4 kV contact IEC 801-2 8 kV on air IEC 801-2
Resistance To Electromagnetic Fields	9.14 V/m (10 V/m) 801000 MHz IEC 801-3
Ambient Air Temperature For Operation	32140 °F (060 °C)
Ambient Air Temperature For Storage	-40185 °F (-4085 °C)
Relative Humidity	95 % without condensation

Ordering and shipping details

Operating Altitude

<= 16404.2 ft (5000 m)

Category	US1PC3118206
Discount Schedule	PC31
Gtin	3595861000261
Returnability	Yes
Country Of Origin	ID

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.28 in (5.8 cm)
Package 1 Width	7.09 in (18.0 cm)
Package 1 Length	10.16 in (25.8 cm)
Package 1 Weight	13.83 oz (392.0 g)
Unit Type Of Package 2	S03
Number Of Units In Package 2	10
Package 2 Height	11.81 in (30 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	9.72 lb(US) (4.407 kg)
Unit Type Of Package 3	P06
Number Of Units In Package 3	80
Package 3 Height	29.53 in (75.0 cm)
Package 3 Width	23.62 in (60.0 cm)
Package 3 Length	31.50 in (80.0 cm)
Package 3 Weight	101.41 lb(US) (46 kg)

Contractual warranty

Warranty 18 months

Sustainability Screen Premium*

Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass 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

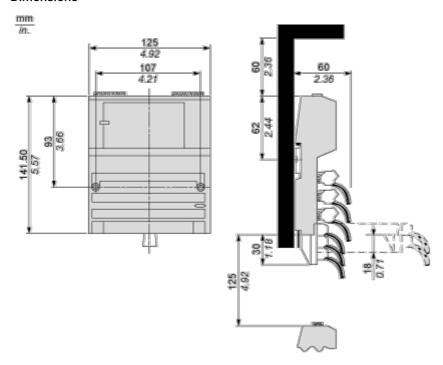
Certifications & Standards

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.
Weee Circularity Profile	· · · · · · · · · · · · · · · · · · ·

Dimensions Drawings

Standard Adapter on a Typical Base

Dimensions

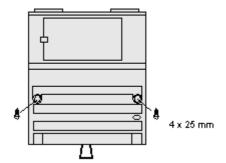


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Mounting and Clearance

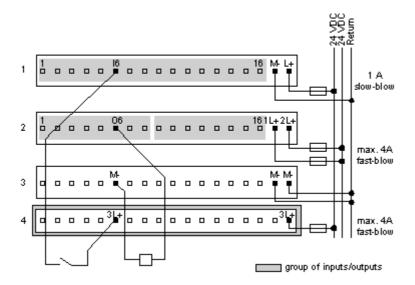
Mounting on a Wall



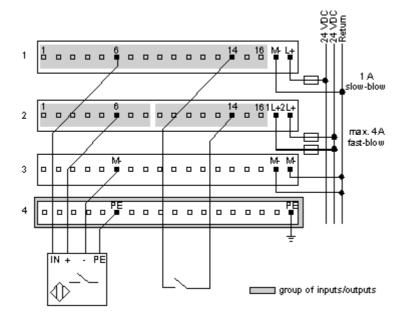
Connections and Schema

External Wiring Diagrams

2-Wire Devices

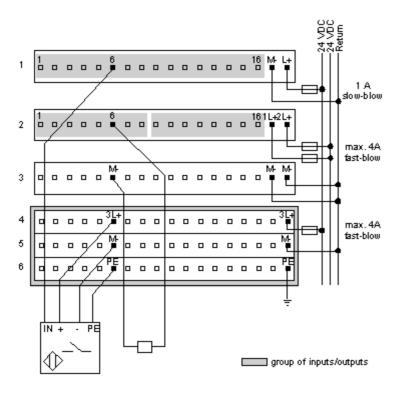


Sensor Activated by Output

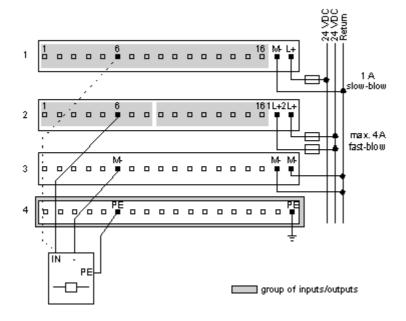


Four-Wire Sensor with a Two-Wire Actuator

170ADM35010



Broken Wire Detection



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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.





