Product data sheet

Specifications





discrete I/O module Modicon Momentum - 10I / 8O relay

170ADM39030

Product availability: Stock - Normally stocked in distribution facility

Main

Range Of Product	Modicon Momentum automation platform
Product Or Component Type	Discrete relay I/O base DC
Group Of Channels	1 group of 10 inputs 2 groups of 4 outputs
Discrete Input Number	10 IEC 1131-2 Type 1
Discrete Input Logic	Positive
Discrete Input Voltage	1130 V DC
Discrete Output Number	8
Discrete Output Type	Relay normally open
Discrete Output Voltage	20115 V DC 24230 V AC
Protective Treatment	TC

Complementary

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[Us] Rated Supply Voltage	24 V DC
Input Voltage Limits	- 330 V
Network Frequency	4763 Hz
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	<= 0.15 mA 115 V inductive <= 0.5 mA 115 V resistive <= 1 mA 24 V inductive <= 2 mA 24 V resistive >= 0.005 A 24 V
Maximum Leakage Current	1 mA 230 V output circuit)
Mechanical Durability	3000000 cycles
Electrical Durability	100000 cycles inductive
Response Time	10 ms 60 Hz from state 0 to state 1 on output 10 ms 60 Hz 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	500 V AC

Bus

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

Power Dissipation	5.5 W <= 8.5 W
Protection Type	Without protection
Associated Fuse Rating	4 A fast blow input voltage 8 A slow-blow output voltage per group 375 mA fast blow operating voltage
Marking	CE
Terminals Description Plc N°1	(1L+)PW_POS (3)IN_DIS#3 (9)IN_DIS#9 (1)IN_DIS#1 (8)IN_DIS#8 (6)IN_DIS#6 (2)IN_DIS#6 (2)IN_DIS#6 (2)IN_DIS#7 (4)IN_DIS#7 (4)IN_DIS#4 (L+)PW_POS (10)IN_DIS#10 (5)IN_DIS#5 (M-)PW_NEG TB
Terminals Description Plc N°2	(6)OUT_DIS#6 (2L1)PW (2)OUT_DIS#2 TB_1 (8)OUT_DIS#8 (7)OUT_DIS#7 (1L+)PW (4)OUT_DIS#4 (5)OUT_DIS#5 (1)OUT_DIS#1 (3)OUT_DIS#3
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	0.57 lb(US) (0.26 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
Operating Altitude	<= 16404.2 ft (5000 m)

Ordering and shipping details

Category	US1PC3118206
Discount Schedule	PC31
Gtin	3595861147652
Returnability	Yes
Country Of Origin	US

Packing Units

PCE
1
3.54 in (9.0 cm)
7.09 in (18.0 cm)
10.24 in (26.0 cm)
18.13 oz (514.0 g)
\$03
6
11.81 in (30 cm)
11.81 in (30 cm)
15.75 in (40 cm)
7.97 lb(US) (3.615 kg)
P06
48
29.53 in (75.0 cm)
15.75 in (40.0 cm)
31.50 in (80.0 cm)
109.51 lb(US) (49.672 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

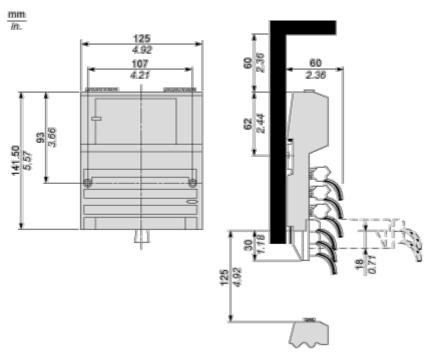
Certifications & Standards

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

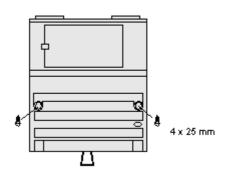
Standard Adapter on a Typical Base

Dimensions



Mounting and Clearance

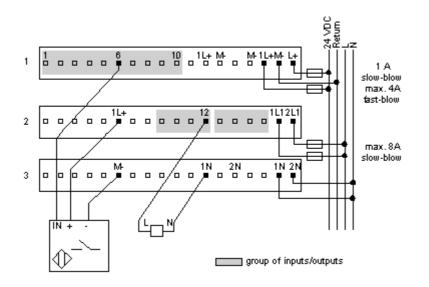
Mounting on a Wall



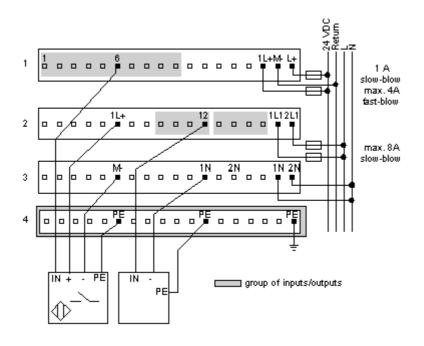
Connections and Schema

External Wiring Diagrams

3-Wire Sensor with a 2-Wire Actuator

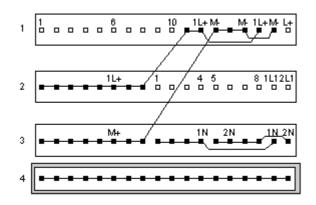


4-Wire Sensor with a 3-Wire Actuator



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.



■____internally connected