# **Product data sheet**





## discrete input module Modicon Momentum - 16 Input 100..120 V AC

170ADI54050

Product availability: Stock - Normally stocked in distribution

### Main

Range Of Product	Modicon Momentum automation platform
Product Or Component Type	Discrete inputs base AC
Group Of Channels	2 groups of 8 inputs
Discrete Input Number	16 IEC 1131-2 Type 2
Discrete Input Voltage	120 V AC
Protective Treatment	тс

### Complementary

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Discrete Input Logic	Positive
Input Voltage Limits	85132 V
Network Frequency	4763 Hz
Voltage Range	0132 V
Voltage State 0 Guaranteed	<= 20 V
Voltage State 1 Guaranteed	>= 74 V
Current State 0 Guaranteed	<= 2 mA
Current State 1 Guaranteed	>= 10 mA
Input Resistance	7.5 kOhm 60 Hz 9.5 kOhm 50 Hz
Response Time	10 ms 60 Hz from state 0 to state 1 35 ms 60 Hz from state 1 to state 0
Isolation Between Group	1780 V AC
Isolation Between Channels And Bus	1780 V AC
Terminals Description Plc N°1	(N)PW (5)IN_DIS#5 (13)IN_DIS#13 (15)IN_DIS#15 (12)IN_DIS#12 (10)IN_DIS#10 (14)IN_DIS#14 (11)IN_DIS#11 (9)IN_DIS#9 (7)IN_DIS#7 (L1)PW (1)IN_DIS#1 (8)IN_DIS#8 (2)IN_DIS#8 (2)IN_DIS#6 (16)IN_DIS#6 (16)IN_DIS#16 (3)IN_DIS#3 TB

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

Marking	CE
Local Signalling	for channel status 16 LEDs
Current Consumption	<= 125 mA 120 V AC
Depth	1.87 in (47.5 mm)
Height	5.57 in (141.5 mm)
Width	4.92 in (125 mm)
Net Weight	0.63 lb(US) (0.284 kg)

### **Environment**

Product Certifications	UL FM Class 1 Division 2 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	3595861147522
Returnability	Yes
Country Of Origin	FR

# **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	3.54 in (9.0 cm)
Package 1 Width	7.09 in (18.0 cm)
Package 1 Length	10.24 in (26.0 cm)
Package 1 Weight	17.67 oz (501.0 g)
Unit Type Of Package 2	S04
Number Of Units In Package 2	12
Package 2 Height	11.81 in (30 cm)
Package 2 Width	15.75 in (40 cm)
Package 2 Length	23.62 in (60 cm)
Package 2 Weight	15.83 lb(US) (7.182 kg)
Unit Type Of Package 3	P06
Number Of Units In Package 3	48

Package 3 Height	29.53 in (75.0 cm)
Package 3 Width	15.75 in (40.0 cm)
Package 3 Length	31.50 in (80.0 cm)
Package 3 Weight	101.41 lb(US) (46 ka)

## **Contractual warranty**

Warranty 18 months

## Sustainability Green Premium

**Green Premium**<sup>TM</sup> **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-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

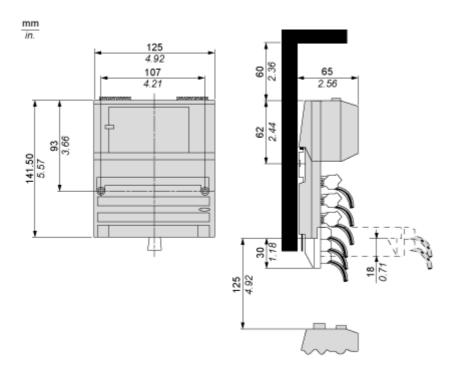
### **Certifications & Standards**

Reach Regulation	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	•

May 30, 2024

### **Dimensions Drawings**

### Standard Adapter on a Discrete VAC Base

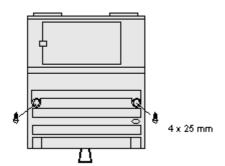


### **Product data sheet**

### 170ADI54050

Mounting and Clearance

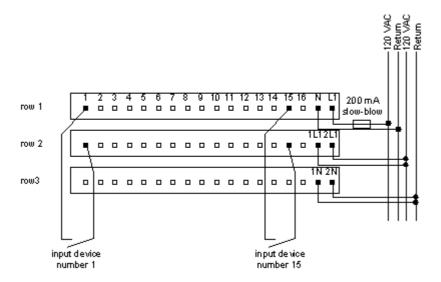
### Mounting on a Wall



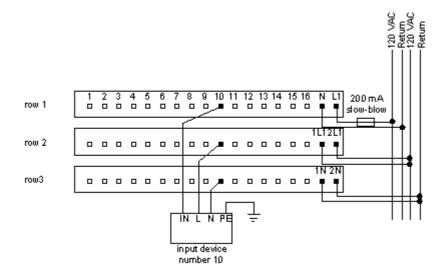
#### Connections and Schema

#### **External Wiring Diagrams**

#### 2-Wire Devices



#### 3-Wire Device



### **Internal Pin Connections**





