170ADI34000

discrete input module Modicon Momentum - 16 Input 24 V DC





Main

Range of product	Modicon Momentum automation platform
Product or component type	Discrete inputs base DC
Group of channels	1 group of 16 inputs
Discrete input number	16 IEC 1131-2 Type 1
Discrete input voltage	24 V DC
Protective treatment	TC

Complementary

Discrete input logic	Positive
Input voltage limits	24 V
Voltage range	- 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
Response time	2.2 ms from state 0 to state 1 3.3 ms from state 1 to state 0
Isolation between channels and bus	500 V AC
Power dissipation	3 W typical 5 W maximum
Terminals description PLC n°1	(1)IN_DIS#1 (10)IN_DIS#10 (11)IN_DIS#11 (12)IN_DIS#12 (13)IN_DIS#13 (14)IN_DIS#14 (15)IN_DIS#15 (16)IN_DIS#16 (2)IN_DIS#2 (3)IN_DIS#3 (4)IN_DIS#4 (5)IN_DIS#5 (6)IN_DIS#5 (6)IN_DIS#6 (7)IN_DIS#7 (8)IN_DIS#8 (9)IN_DIS#9 (L+)PW_POS (M-)PW_NEG TB
Marking	CE
Local signalling	16 LEDs channel status
Current consumption	<= 250 mA 24 V DC
Depth	47.5 mm
Height	141.5 mm
Width	125 mm
Product weight	0.19 kg

Environment



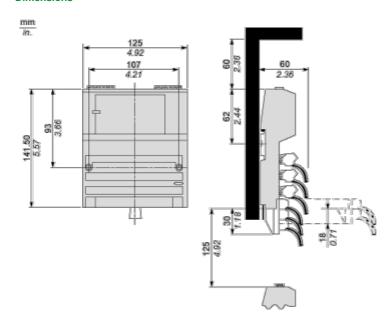
product certifications	CSA FM Class 1 Division 2 UL	
resistance to electrostatic discharge	4 kV contact IEC 801-2 8 kV on air IEC 801-2	
resistance to electromagnetic fields	10 V/m 801000 MHz IEC 801-3	
ambient air temperature for operation	060 °C	
ambient air temperature for storage	-4085 °C	
relative humidity	95 % without condensation	
operating altitude	<= 5000 m	

Offer Sustainability

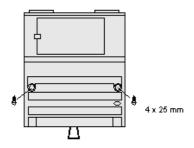
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1350 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

Standard Adapter on a Typical Base

Dimensions



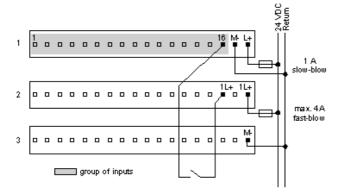
Mounting on a Wall



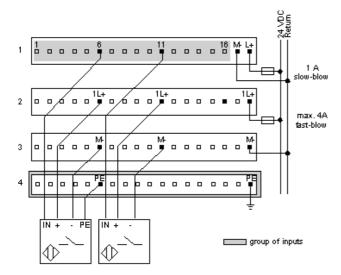
External Wiring Diagrams

2-Wire Device





3- and 4-Wire Devices



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.

