Product data sheet

Specifications



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
Discrete input voltage	24 V DC - 3...30 V)
Discrete input logic	Positive
Discrete output number	16
Discrete output logic	Positive
Discrete output voltage	<= 30 V DCsolid state switch 24 V DCsolid state switch

Complementary

Input resistance	4 kOhm
Peak output current	5 A
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
Discrete input compatibility	16 conforming to IEC 1131-2 Type 1 at 24 V DC
Voltage state 1 guaranteed	11...30 V
Voltage state 0 guaranteed	-3...5 V
Current state 1 guaranteed	>= 2.5 mA
Current state 0 guaranteed	<= 1.2 mA
Discrete output number	16 solid state switch at <= 30 V DC 16 solid state switch at 24 V DC
Discrete output current	4 A per group 8 A per module 0.5 A per point
Maximum leakage current	1 mA 24 V DC output circuit
Maximum voltage drop	<0.5 V at state 1 output circuit
Typical current consumption	250 mA 24 V DC
Power dissipation in W	6 W
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.

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

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#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#15 (2L+)PW_POS TB_1 (7)OUT_DIS#7 (2)OUT_DIS#2 (14)OUT_DIS#14 (9)OUT_DIS#9 (13)OUT_DIS#13 (3)OUT_DIS#3 (1L+)PW_POS (12)OUT_DIS#12
Local signalling	16 LEDs for channel status
Height	5.6 in (141.5 mm)
Width	4.9 in (125 mm)
Depth	1.9 in (47.5 mm)
Product Weight	0.4 lb(US) (0.2 kg)

Environment

IP Degree of Protection	IP20
Protective treatment	TC
Marking	CE
Product certifications	UL CSA
Ambient air temperature for operation	32…140 °F (0…60 °C)
Ambient air temperature for storage	-40…185 °F (-40…85 °C)
Relative humidity	95 % without condensation
Operating altitude	<= 16404.2 ft (5000 m)

Ordering and shipping details

Category	US1PC3118206
Discount Schedule	PC31
GTIN	3595861000261
Returnability	Yes

Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.323 in (5.900 cm)
Package 1 Width	7.165 in (18.200 cm)
Package 1 Length	10.236 in (26.000 cm)
Package weight(Lbs)	14.321 oz (406.000 g)
Unit Type of Package 2	S03
Number of Units in Package 2	10
Package 2 Height	11.811 in (30.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	9.716 lb(US) (4.407 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	80
Package 3 Height	29.528 in (75.000 cm)
Package 3 Width	23.622 in (60.000 cm)
Package 3 Length	31.496 in (80.000 cm)
Package 3 Weight	101.413 lb(US) (46.000 kg)

Contractual warranty

Warranty (in months)	18

Environmental Data

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
SCIP Number	441d5619-6318-4bbf-ac83-96d05888ee7e
EU RoHS Directive	Compliant By Exemption
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Use Longer

Lifetime extension

Repair	No

Use Again

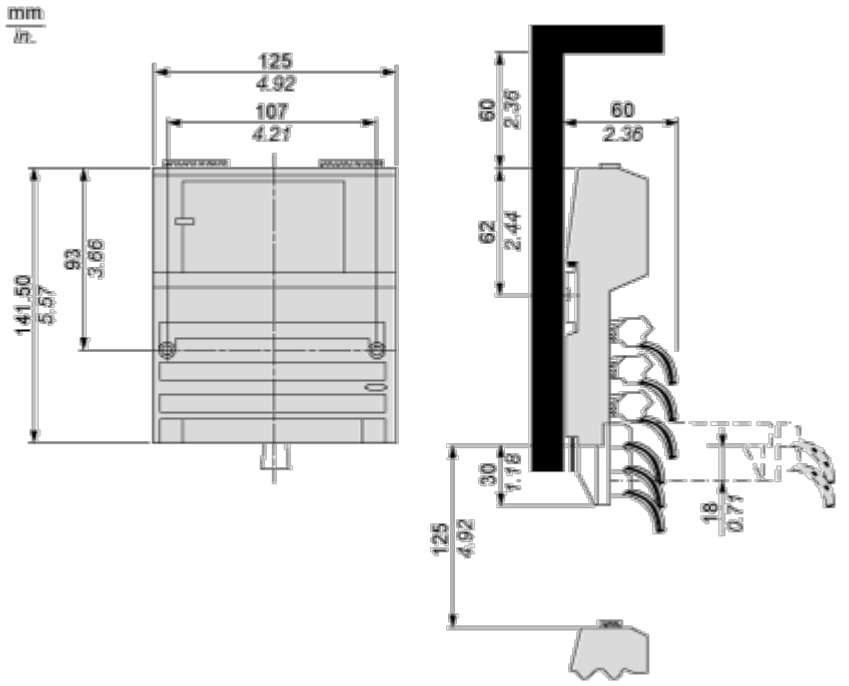
Repack and remanufacture

Circularity Profile	End of Life Information
Take-back	No

Dimensions Drawings

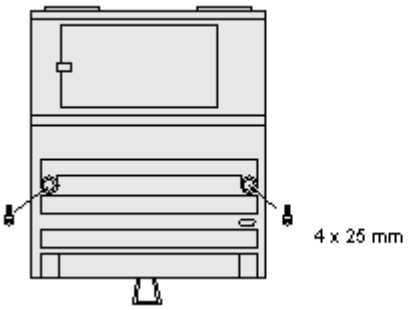
Standard Adapter on a Typical Base

Dimensions



Mounting and Clearance

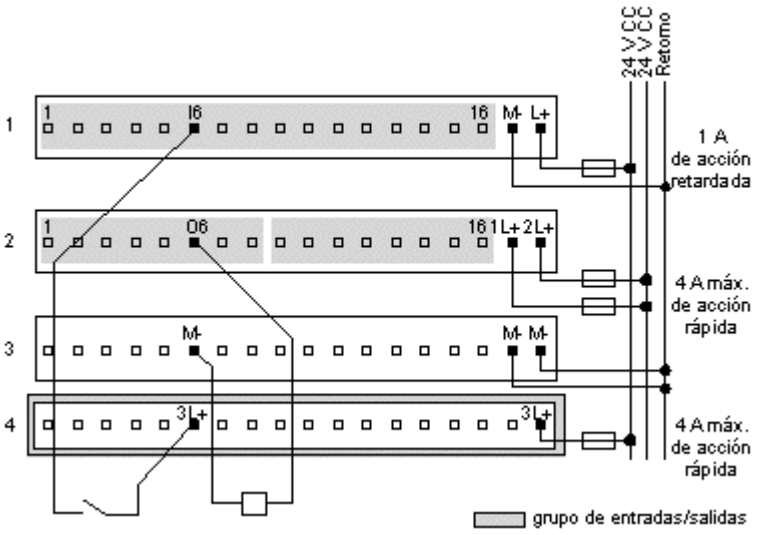
Mounting on a Wall



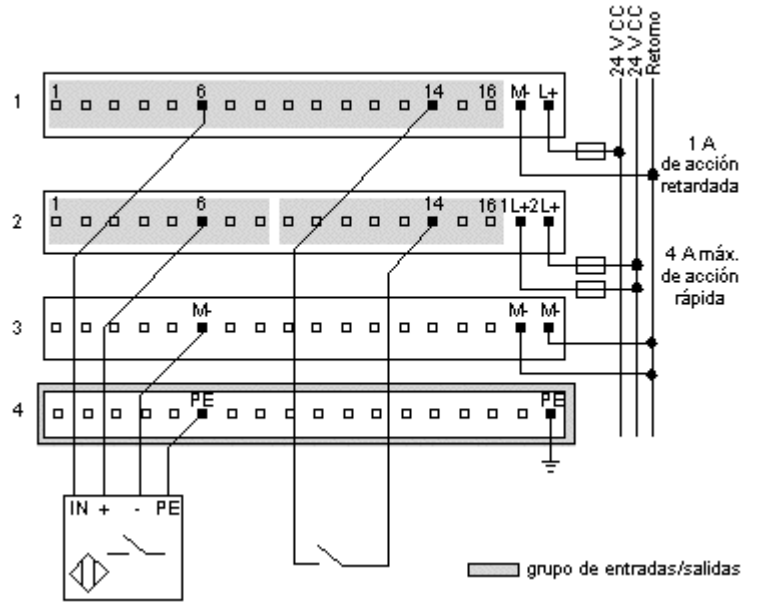
Connections and Schema

External Wiring Diagrams

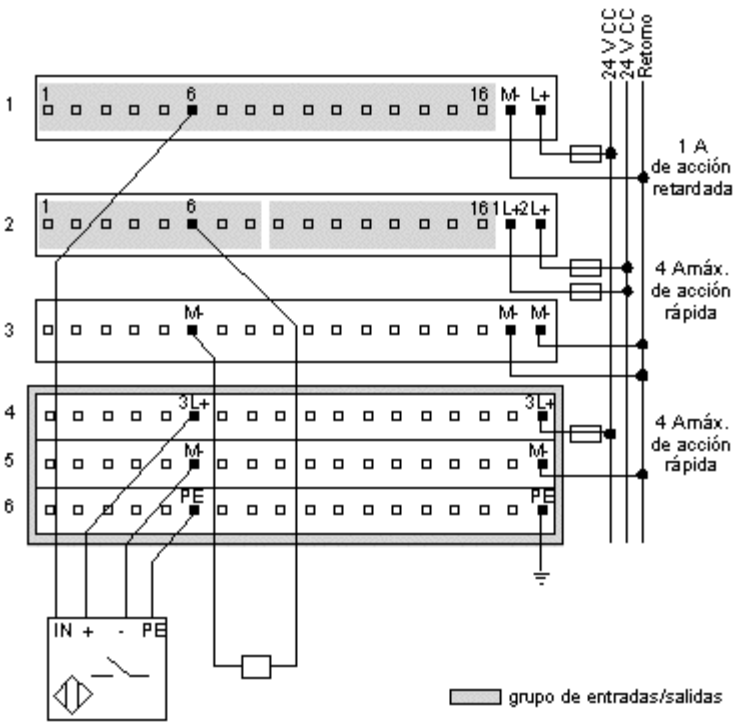
2-Wire Devices



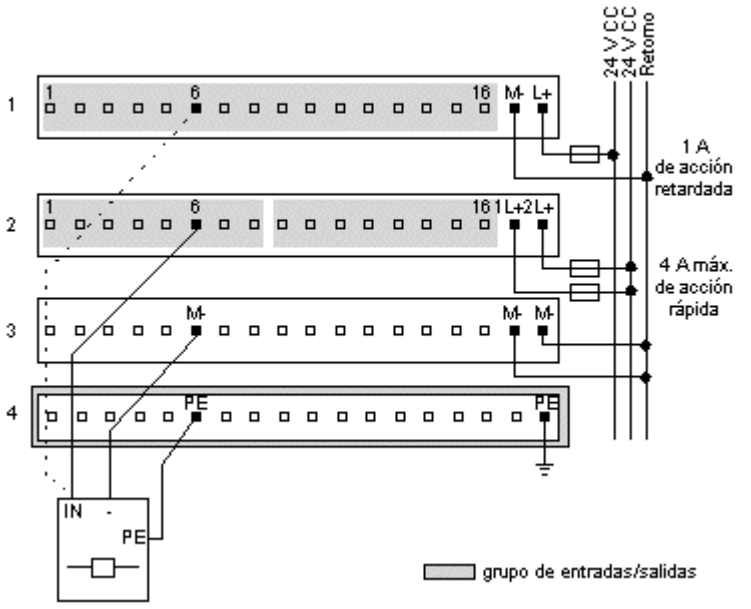
Sensor Activated by Output



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 6 show the internal connections on the optional busbar.

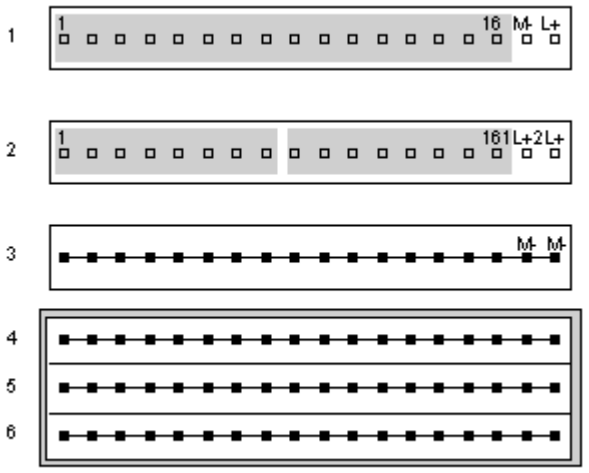
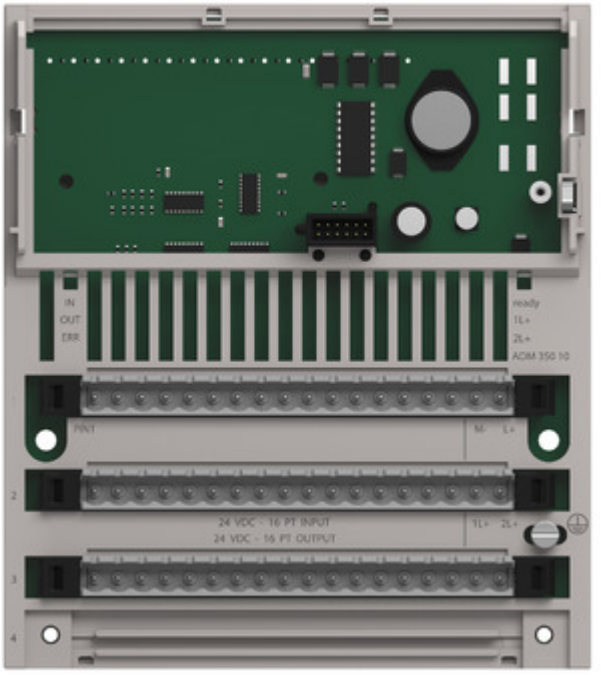
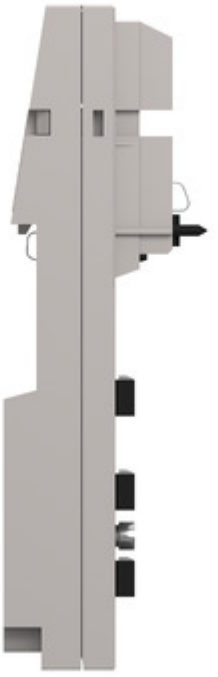
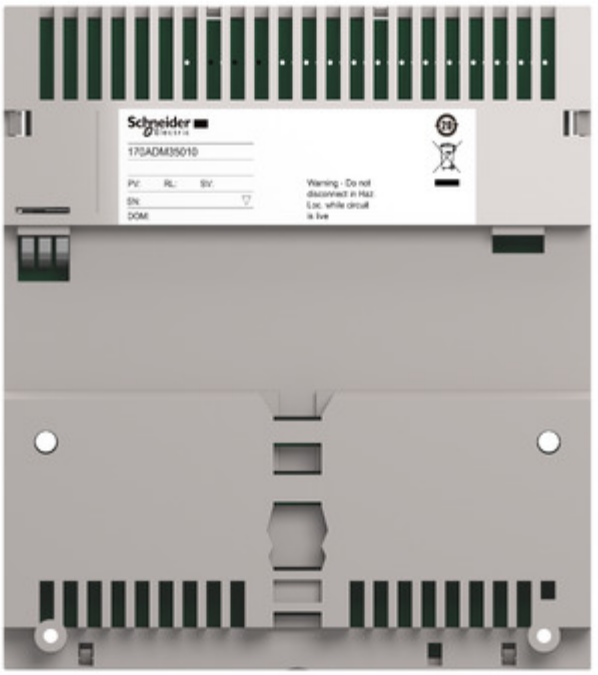


Image of product / Alternate images

Alternative






Schneider Electric
170ADM35010
PV:
RL:
SV:
SN:
DOM:
Warning - Do not disconnect in Haz Loc. while circuit is live

