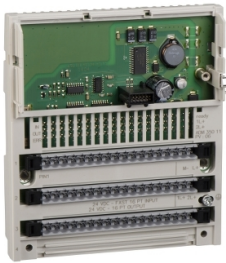


Product datasheet

Specifications



discrete I/O module Modicon Momentum - 16 I/O relay

170ADM85010

Price: 14,570.52 ZAR

Main

Range Of Product	Modicon Momentum automation platform
Product Or Component Type	Discrete relay I/O base DC
Group Of Channels	1 group of 16 outputs 1 group of 16 inputs
Discrete Input Number	16 conforming to IEC 1131-2 Type 3
Discrete Input Logic	Positive
Discrete Input Voltage	24 V DC 12 V DC 48 V DC
Discrete Output Number	16
Discrete Output Type	Solid state switch
Discrete Output Voltage	<= 60 V DC 12 V DC 24 V DC 48 V DC
Discrete Output Logic	Positive
Protective Treatment	TC

Complementary

[Us] Rated Supply Voltage	12 V DC 24 V DC 48 V DC
Input Voltage Limits	10...60 V
Voltage State 0 Guaranteed	< 10 V 48 V < 2.5 V 12 V < 5 V 24 V
Voltage State 1 Guaranteed	> 11 V 24 V > 30 V 48 V > 7.5 V 12 V
Current State 1 Guaranteed	2.3 mA 12 V 2.7 mA 24 V 2.9 mA 48 V
Discrete Output Current	0.5 A per point 7 A 60 °C per module 8 A 50 °C per group
Maximum Leakage Current	1 mA at 60 V (output circuit)
Peak Output Current	5 A
Maximum Voltage Drop	<1 V 0.5 A at state 1 output circuit
Fault Type	Overload on output

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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

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 Group Of I/O Channels	707 V DC
Isolation Between Channels And Bus	707 V DC
Power Dissipation	6.0 + (0.144 x number of input points) + (0.25 x number of output points)
Current Consumption	250 mA at 24 V DC 125 mA at 48 V DC 500 mA at 12 V DC
Depth	47.5 mm
Height	141.5 mm
Width	125 mm

Environment

Product Certifications	FM Class 1 Division 2 UL CSA
Resistance To Electrostatic Discharge	4 kV contact conforming to IEC 801-2 8 kV on air conforming to IEC 801-2
Resistance To Electromagnetic Fields	10 V/m 80...1000 MHz conforming to IEC 801-3
Ambient Air Temperature For Operation	0...60 °C
Ambient Air Temperature For Storage	-40...85 °C
Relative Humidity	95 % without condensation
Operating Altitude	<= 5000 m

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	5.5 cm
Package 1 Width	18.0 cm
Package 1 Length	26.0 cm
Package 1 Weight	380.0 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	8
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	3.476 kg

Contractual warranty

Warranty	18 months
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Sustainability

Green Premium™ label is Schneider Electric’s commitment to delivering products with best-in-class 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
Circularity Profile	End of Life Information