Product data sheet

Specifications



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

170ADM85010

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 16 outputs 1 group of 16 inputs
Discrete input number	16
Discrete input voltage	24 V DC 10...60 V) 12 V DC 48 V DC
Discrete input logic	Positive
Discrete output number	16
Discrete output logic	Positive
Discrete output voltage	<= 60 V DCsolid state switch 12 V DCsolid state switch 24 V DCsolid state switch 48 V DCsolid state switch

Complementary

Input resistance	4 kOhm
Peak output current	5 A
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
Protection Type	Internal 2 x 2.5 A slow-blow fuses
Discrete input compatibility	16 conforming to IEC 1131-2 Type 1 at 24 V DC at 12 V DC at 48 V DC
Voltage state 1 guaranteed	11...30 V
Voltage state 0 guaranteed	< 10 V
Current state 1 guaranteed	2.3 mA
Discrete output number	16 solid state switch at <= 60 V DC 16 solid state switch at 12 V DC 16 solid state switch at 24 V DC 16 solid state switch at 48 V DC
Discrete output current	0.5 A per point 7 A per module 8 A per group
Maximum leakage current	1 mA 60 V AC output circuit
Maximum voltage drop	<1 V at state 1 output circuit

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

Typical current consumption	250 mA 24 V DC 125 mA 48 V DC 500 mA 12 V DC
Isolation between channels and bus	707 V DC
Height	5.6 in (141.5 mm)
Width	4.9 in (125 mm)
Depth	1.9 in (47.5 mm)

Environment

IP Degree of Protection	IP20
Protective treatment	TC
Product certifications	FM Class 1 Division 2 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	3595862070133
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.2 in (5.5 cm)
Package 1 Width	7.09 in (18.0 cm)
Package 1 Length	10.2 in (26.0 cm)
Package weight(Lbs)	13.4 oz (380.0 g)
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Height	11.8 in (30.0 cm)
Package 2 Width	11.8 in (30.0 cm)
Package 2 Length	15.7 in (40.0 cm)
Package 2 Weight	7.663 lb(US) (3.476 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