Product data sheet
Characteristics

170ADM35010
discrete I/O module Modicon Momentum - 16 I/O solid state



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 (voltage limits: - 3...30 V)
Discrete input logic	Positive
Discrete output number	16
Discrete output logic	Positive
Discrete output voltage	<= 30 V DC for solid state switch 24 V DC for solid 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 number	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 for output circuit
Typical current consumption	250 MA at 24 V DC
Power dissipation in W	6 W
Isolation between channels and bus	500 V AC

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	141.5 Mm
Width	125 Mm
Depth	47.5 Mm
Net weight	0.2 Kg

Environment

IP degree of protection	IP20
Protective treatment	TC
Marking	CE
Product certifications	UL[RETURN]CSA
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	5.900 Cm
Package 1 Width	18.200 Cm
Package 1 Length	26.000 Cm
Package 1 Weight	406.000 G
Unit Type of Package 2	S03
Number of Units in Package 2	10
Package 2 Height	30.000 Cm
Package 2 Width	30.000 Cm
Package 2 Length	40.000 Cm
Package 2 Weight	4.407 Kg

Unit Type of Package 3	P06
Number of Units in Package 3	80
Package 3 Height	75.000 Cm
Package 3 Width	60.000 Cm
Package 3 Length	80.000 Cm
Package 3 Weight	46.000 Kg

Offer Sustainability

Recyclability potential, in %	4
Total lifecycle Carbon footprint	273 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	131.09316971289155
Carbon footprint of the manufacturing phase [A1 to A3]	131 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.12125558099060363
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.2229752278889432
Carbon footprint of the installation phase [A5]	0.2 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	141.10219037035654
Carbon footprint of the use phase [B2, B3, B4, B6]	141 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	0.5022395811623958
Carbon footprint of the end-of-life phase [C1 to C4]	0.5 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	273
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	441d5619-6318-4bbf-ac83-96d05888ee7e
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, w
End of life manual availability	End Of Life Information
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised