



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 IEC 1131-2 Type 3
Discrete input logic	Positive
Discrete input voltage	12 V DC 24 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

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

	2.9 mA 48 V
Discrete output current	0.5 A per point 7 A 140 °F (60 °C) per module 8 A 122 °F (50 °C) per group
Leakage current	< 1 mA 60 V output circuit
Peak output current	5 A
Voltage drop	< 1 V 0.5 A at state 1 output circuit
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
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	125 mA 48 V DC 250 mA 24 V DC 500 mA 12 V DC
Depth	1.87 in (47.5 mm)
Height	5.57 in (141.5 mm)
Width	4.92 in (125 mm)

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	9.14 V/yd (10 V/m) 80...1000 MHz IEC 801-3
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)

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available Product Environmental Profile
Product end of life instructions	Available End of Life Information

Contractual warranty

Warranty period	18 months
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