



### 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 inputs 1 group of 16 outputs
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 60 °C per module 8 A 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	47.5 mm
Height	141.5 mm
Width	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	10 V/m 80...1000 MHz 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

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1350 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>
Product environmental profile	Available <a href="#">Product Environmental Profile</a>
Product end of life instructions	Available <a href="#">End of Life Information</a>

## Contractual warranty

Warranty period	18 months
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