



Main

Range of product	Modicon Quantum automation platform
Product or component type	Mixed discrete I/O module
Discrete I/O number	24

Complementary

Discrete input number	16 2 groups of 8
Discrete input logic	Sink
Addressing requirement	0.5 output word 1 input word
Network frequency limits	47...63 Hz
Discrete input voltage	24 V DC
Input voltage limits	<= 1 V during 10 s <= 1 V during one cycle 30 V 56 V during 1.3 ms
Voltage state 0 guaranteed	-3...5 V
Voltage state 1 guaranteed	15...30 V
Current state 0 guaranteed	<= 0.5 mA
Current state 1 guaranteed	>= 2 mA
Input impedance	2500 Ohm
Discrete output number	8 2 groups of 4
Discrete output type	Solid state
Discrete output logic	Sink
Discrete output voltage	24 V
Output voltage limits	19.2...30 V DC typical 56 V DC during 1.3 ms
Maximum load current	<= 0.5 A per point <= 2 A per group <= 4 A per module
Voltage drop	0.4 V 0.5 A
Absolute maximum output	5 A during 500 µs per point
Load inductance	500 mH 4 Hz
Load capacitance	<= 50 µF
Leakage current	0.4 mA 30 V DC
Response time on output	<= 1 ms at state 0 to state 1 <= 1 ms at state 1 to state 0
Protection type	Internal output protection by 5 A fuse per group On input by resistor limited On output by transient voltage suppression
Associated fuse rating	5 A per group
Isolation between group	500 Vrms for 1 minute
Isolation between group and bus	1780 Vrms for 1 minute
Fault indication	Blown fuse on output Loss of field power on output

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Power dissipation	1.75 W + (0.36 x input point on) + (1.1 total output load current)
Local signalling	1 LED green bus communication is present (Active) 1 LED red no voltage in output and input (F) 2 LEDs green output is turned on 2 LEDs red fault detected on the input point 2 LEDs red fault detected on the output point
Marking	CE
Bus current requirement	330 mA
Product weight	0.66 lb(US) (0.3 kg)

Environment

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	9.14 V/yd (10 V/m) 80...1000 MHz conforming to 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)
standards	CSA C22.2 No 142 FM Class 1 Division 2 UL 508
product certifications	CUL

Offer Sustainability

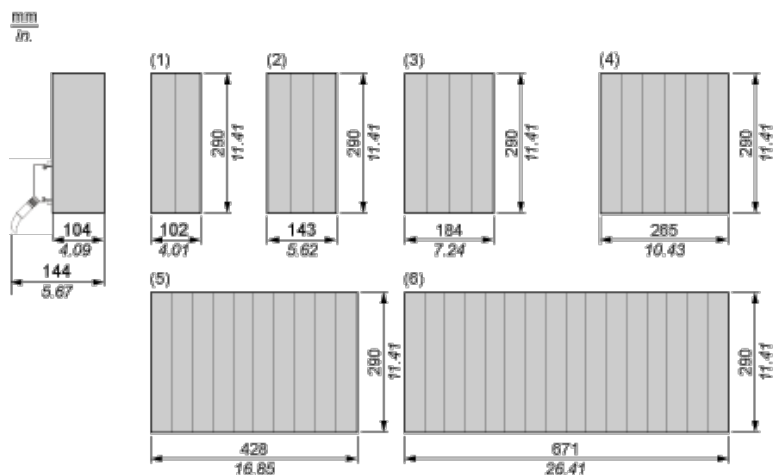
Green Premium product	Green Premium product
Compliant - since 0840 - Schneider Electric declaration of conformity	Compliant - since 0840 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Available	Available
WARNING: This product can expose you to chemicals including:	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.	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	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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Racks for Modules Mounting

Dimensions of Modules and Racks

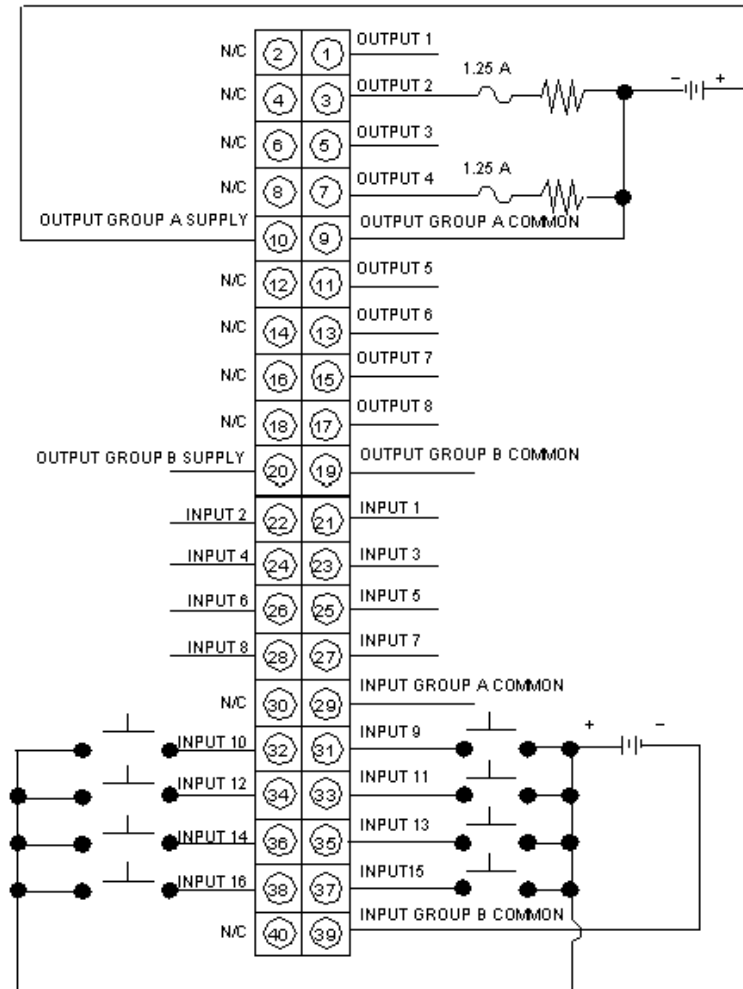


(1) 2 slots

- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

24 Vdc Discrete Input Sink/Output Source Module

Wiring Diagram



N/C Not Connected