



Main

Range of product	Modicon Quantum automation platform
Product or component type	Dc discrete input modules
Discrete input number	32

Complementary

Group of channels	4
Logic input	Positive (sink)
Input voltage limits	10...60 V
Input voltage	60 V 1...5 mA DC 48 V 2...15 mA DC 24 V 6...30 mA DC 12 V 5...10 mA DC
Voltage state 1 guaranteed	9...12 V 12 V +/- 5 % 45...60 V 60 V +/- 20 % 34...48 V 48 V +/- 20 % 11...24 V 24 V +/- 20 %
Voltage state 0 guaranteed	0...5 V 24 V +/- 20 % 0...12.5 V 60 V +/- 20 % 0...10 V 48 V +/- 20 % 0...1.8 V 12 V +/- 5 %
Absolute maximum voltage	75 V
Addressing requirement	2 input words
Response time	4 ms from state 1 to state 0 4 ms from state 0 to state 1
Switching frequency	<= 100 Hz
Isolation between group and bus	2500 Vrms DC for 1 minute
Isolation between group	700 Vrms DC for 1 minute
Power dissipation	1 W + (0.62 x number of points on)
Marking	CE
Local signalling	32 LEDs green input status 1 LED red external fault detected (F) 1 LED green bus communication is present (Active)
Bus current requirement	300 mA
Module format	Standard
Product weight	0.295 kg

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Environment

Protective treatment	Conformal coating Humiseal 1A33
Standards	CSA C22.2 No 142 UL 508
Product certifications	C-Tick FM Class 1 Division 2
Resistance to electrostatic discharge	8 kV on air conforming to IEC 801-2 4 kV contact conforming to IEC 801-2
Resistance to electromagnetic fields	10 V/m 80...2000 MHz conforming to 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 0901 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Need no specific recycling operations

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

10...60 Vdc Discrete Input Sink Module

Wiring Diagram

