



### Main

Range of product	Modicon Quantum automation platform
Product or component type	Dc discrete input modules
Discrete input number	32
Group of channels	4
Logic input	Positive (sink)
Input voltage	12 V 5...10 mA DC 24 V 6...30 mA DC 48 V 2...15 mA DC 60 V 1...5 mA DC

### Complementary

Input voltage limits	10...60 V
Voltage state 1 guaranteed	9...12 V 12 V +/- 5 % 11...24 V 24 V +/- 20 % 34...48 V 48 V +/- 20 % 45...60 V 60 V +/- 20 %
Voltage state 0 guaranteed	0...1,8 V 12 V +/- 5 % 0...10 V 48 V +/- 20 % 0...12,5 V 60 V +/- 20 % 0...5 V 24 V +/- 20 %
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	700 V rms DC for 1 minute
Isolation between group	2500 V AC for 1 minute
Power dissipation	1 W + (0.62 x number of points on)
Marking	CE
Local signalling	1 LED green bus communication is present (Active) 1 LED red external fault detected (F) 32 LEDs green input status
Bus current requirement	300 mA
Module format	Standard
Product weight	0,295 kg

### Environment

Standards	CSA 22-2 No 142 UL 508
Product certifications	C-Tick FM Class 1 Division 2
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...2000 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

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RoHS EUR conformity date	4Q2009
RoHS EUR status	Will be compliant

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