

Main

Range of product	Modicon Quantum automation platform
Product or component type	Dc discrete input modules
Discrete input number	16
Group of channels	8
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...5 V 24 V +/- 20 % 0...9 V 60 V +/- 20 %
Absolute maximum voltage	75 V
Addressing requirement	1 input word
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) 16 LEDs green input status
Bus current requirement	200 mA
Module format	Standard
Product weight	0,3 kg

Environment

Protective treatment	Conformal coating Humiseal 1A33
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

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