

Main

Range of product	Modicon Quantum automation platform
Product or component type	Analogue input module
Analogue input number	8
Analogue input type	Bipolar current 20 mA Bipolar voltage +/- 10 V Bipolar voltage +/- 5 V Unipolar current 0...20 mA Unipolar voltage 0...10 V Unipolar voltage 0...5 V
Analogue input resolution	16 bits +/- 10 V 16 bits +/- 5 V 16 bits 20 mA 16 bits 0...10 V 16 bits 0...5 V 16 bits 0...20 mA
Type of filter	Single pole low pass - 3 dB at 847 Hz +/- 20 %

Complementary

Input type	Differential
Addressing requirement	9 input words
Linear measuring range	(Input range) x 1.024 V (Input range) x 1.024 mA
Absolute maximum input	25 mA 50 V DC
Input impedance	250 MOhm +/- 0.03 % > 20 Ohm voltage
Absolute accuracy error	+/- 0.03 % +/- 0.05 % of full scale maximum
Linearity error	+/- 0.008 %
Accuracy drift according to temperature	+/- 0.0015 % of full scale / °C ≤ 0.004 % of full scale / °C
Common mode rejection	> -80 dB 60 Hz
Isolation between channels and bus	500 Vrms AC 60 s 750 V DC
Isolation between channels	135 Vrms AC 200 V DC
Update time	10 ms
Fault type	Broken wire 4...20 mA Overtaking scale 1...5 V
Marking	CE
Local signalling	1 LED green bus communication is present (Active) 1 LED red external fault 8 LEDs green channel is turned on 8 LEDs red channel fault
Bus current requirement	280 mA
Power dissipation in W	2,2 W
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	FM Class 1 Division 2 CUL
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
RoHS EUR conformity date	4Q2009
RoHS EUR status	Will be compliant