



### Main

Range of product	Modicon Quantum automation platform
Product or component type	Analogue input module
Analogue input number	16
Analogue input resolution	0...16000 counts 4...20 mA 0...20000 counts 0...20 mA 0...25000 counts 0...25 mA 0...4095 counts 4...20 mA
Type of filter	Single pole low pass - 3 dB at 34 Hz +/- 25 %

### Complementary

Input type	Differential
Addressing requirement	17 input words
Absolute maximum input	30 mA
Input impedance	250 MOhm
Absolute accuracy error	+/- 0.125 % of full scale
Linearity error	+/- 12 µA max 4...20 mA +/- 6 µA max 0...20 mA +/- 6 µA max 4...20 mA +/- 6 µA max 0...25 mA
Accuracy drift according to temperature	+/- 0.0025 % of full scale/°C ≤ 0.0050 % of full scale /°C
Common mode rejection	> -90 dB 60 Hz
Isolation between channels and bus	1780 V AC 60 s
Update time	15 ms 2 wires/4 wires
Fault type	Broken wire 4...20 mA
Marking	CE
Local signalling	1 LED green bus communication is present (Active) 1 LED red external fault 16 LEDs green channel is turned on 16 LEDs red channel fault
Bus current requirement	360 mA
Power dissipation in W	5 W
Module format	Standard
Product weight	0,3 kg

### Environment

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	0825
RoHS EUR status	Compliant