



Main

Range of product	Modicon Quantum automation platform
Product or component type	Analogue input module
Analogue input number	8
Analogue input type	Temperature probe - 200...850 °C Pt 100, Pt 200, Pt 500, Pt 1000 Temperature probe - 100...450 °C Pt 100, Pt 200, Pt 500, Pt 1000 Temperature probe 2.5 mA Pt 100, Pt 200, Ni 100, Ni 200 Temperature probe - 60...180 °C Ni 100, Ni 200, Ni 500, Ni 1000 Temperature probe 0.5 mA Ni 100, Ni 200, Ni 500, Ni 1000
Analogue input resolution	13 bits

Complementary

Input type	Differential
Addressing requirement	9 input words
Input impedance	≥ 10 MOhm
Absolute accuracy error	0.1 °C
Linearity error	+/- 0.01 % full scale +/- 0.5 °C
Accuracy drift according to temperature	+/- 0.5 °C 25 °C +/- 0.9 °C 0...60 °C
Isolation between channels and bus	1780 V AC 47...63 Hz 60 s 2500 V DC 60 s
Isolation between channels	300 Vrms AC
Update time	640 ms 2 wires/4 wires 1200 ms 3 wires
Fault type	Broken wire Overtacking scale
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	200 mA
Power dissipation in W	1 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	0822
RoHS EUR status	Compliant