



Main

Range of product	Modicon Quantum automation platform
Product or component type	Analogue input module

Complementary

Analogue input number	8
Input type	Differential
Addressing requirement	9 input words
Analogue input type	Temperature probe 2.5 mA Pt 100, Pt 200, Ni 100, Ni 200 Temperature probe 0.5 mA Ni 100, Ni 200, Ni 500, Ni 1000 Temperature probe - 60...180 °C Ni 100, Ni 200, Ni 500, Ni 1000 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
Analogue input resolution	13 bits
Input impedance	>= 10 MOhm
Absolute accuracy error	0.1 °C
Linearity error	+/- 0.5 °C +/- 0.01 % full scale
Accuracy drift according to temperature	+/- 0.9 °C at 0...60 °C +/- 0.5 °C at 25 °C
Isolation between channels and bus	1780 V AC 47...63 Hz for 60 s 2500 V DC for 60 s
Isolation between channels	300 Vrms AC
Update time	640 ms 2 wires/4 wires 1200 ms 3 wires
Fault type	Overtacking scale Broken wire
Marking	CE
Local signalling	8 LEDs red channel fault 8 LEDs green channel is turned on 1 LED red external fault 1 LED green bus communication is present (Active)
Bus current requirement	200 mA
Power dissipation in W	1 W
Module format	Standard
Product weight	0.3 kg

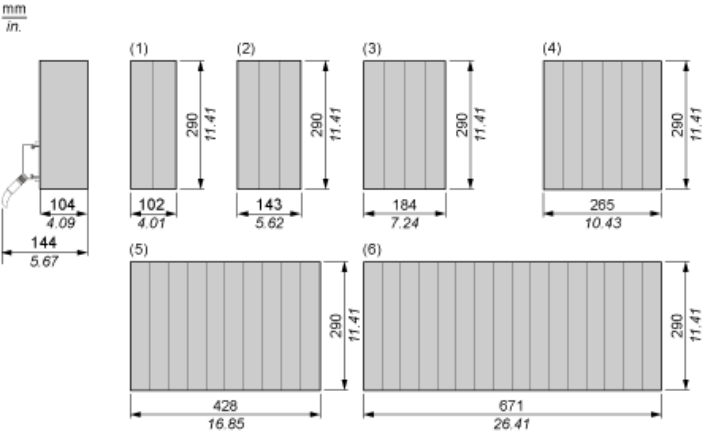
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Environment

Protective treatment	Conformal coating Humiseal 1A33
Standards	CSA 22-2 No 142 UL 508
Product certifications	CUL FM Class 1 Division 2
Resistance to electrostatic discharge	8 kV on air conforming to IEC 801-2 4 kV contact conforming to IEC 801-2
Resistance to electromagnetic fields	10 V/m 80...1000 MHz conforming to 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

Racks for Modules Mounting

Dimensions of Modules and Racks



- (1) 2 slots
- (2) 3 slots
- (3) 4 slots
- (4) 6 slots
- (5) 10 slots
- (6) 16 slots

RTD Input 8-Channel Module

Wiring Diagram

