



Main

Range of product	Modicon Quantum automation platform
Product or component type	Analogue input module
Type of filter	Single pole low pass - 3 dB at 34 Hz +/- 25 %

Complementary

Analogue input number	16
Input type	Differential
Addressing requirement	17 input words
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
Absolute maximum input	30 mA
Input impedance	250 Ohm
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 0...25 mA +/- 6 µA max 4...20 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 for 60 s
Update time	15 ms 2 wires/4 wires
Fault type	Broken wire 4...20 mA
Marking	CE
Local signalling	1 LED (green) for bus communication is present (Active) 1 LED (red) for external fault 16 LEDs (green) for channel is turned on 16 LEDs (red) for channel fault
Bus current requirement	360 mA
Power dissipation in W	5 W
Module format	Standard
Net weight	0.3 kg

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Environment

Standards	UL 508 CSA C22.2 No 142
Product certifications	FM Class 1 Division 2[RETURN]cUL
Resistance to electrostatic discharge	4 KV contact conforming to IEC 801-2 8 kV on air 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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.6 cm
Package 1 Width	16.5 cm
Package 1 Length	31.0 cm
Package 1 Weight	433.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	3.462 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months
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Racks for Modules Mounting

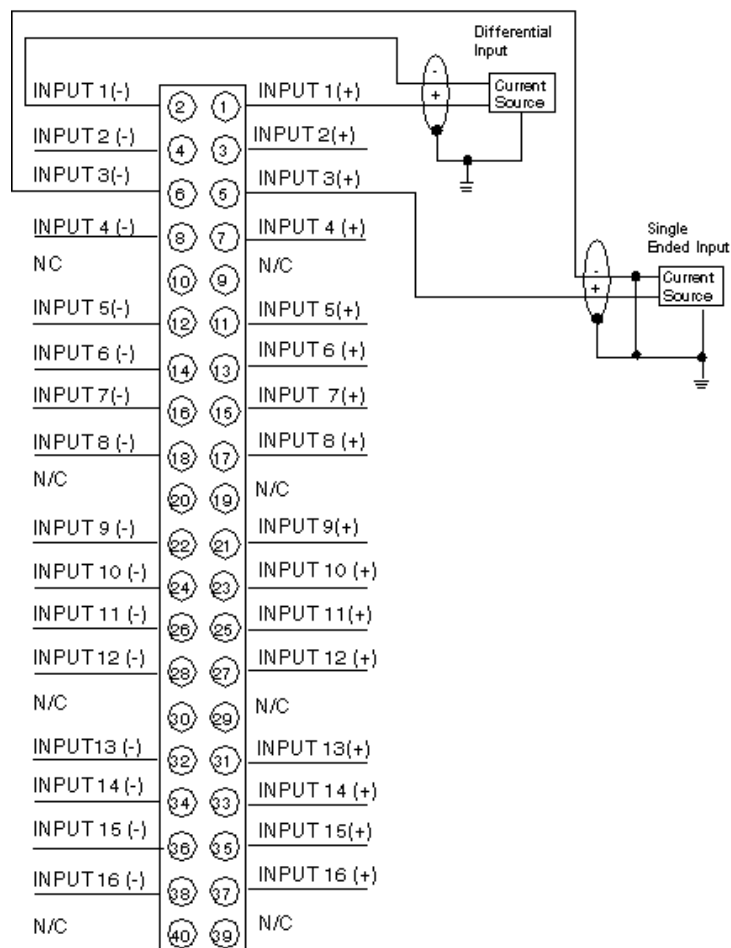
Dimensions of Modules and Racks



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

High Density Analog Input Module (16-Channel)

Wiring Diagram



N/C Not Connected

The maximum channel to channel working voltage cannot exceed 30 Vdc.