



Main

Range of product	Modicon Quantum automation platform
Product or component type	Input/Output analog module
Type of filter	Single pole low pass - 3 dB at 21 Hz +/- 20 % input circuit

Complementary

I/O modularity	6 channels
Addressing requirement	2 output words 5 input words
Analogue input number	4
Analogue input type	Unipolar voltage 0...5 V 15 bits DC Unipolar voltage 0...10 V 16 bits DC Unipolar offset voltage 1...5 V 14 bits DC Unipolar offset current 4...20 mA 14 bits DC Unipolar current 0...20 mA 15 bits DC Bipolar voltage +/- 5 V 15 bits DC Bipolar voltage +/- 10 V 16 bits DC Bipolar current +/- 20 mA 15 bits DC
Absolute maximum input	+/- 50 V voltage +/- 25 mA current
Input impedance	> 250 Ohm current > 10 MOhm voltage
Offset	+/- 0.0014 % of full scale maximum/°C 0...60 °C input circuit
Gain shift	+/- 0.002 of full scale maximum 0...60 °C input circuit
Common mode rejection	> 80 dB 50/60 Hz input circuit
Analogue output number	2
Analogue output range	4...20 mA
Analogue output resolution	12 bits
Loop voltage	7...30 V DC output circuit <= 60 V DC with external resistance output circuit
Voltage drop	7...30 V DC 20 mA
Setting time	900 µs to +/- 0.1 % of the final value output circuit
External power requirement	7...30 V output circuit
Absolute accuracy error	+/- 0.20 % of full scale at 25 °C output circuit +/- 0.05 % of full scale maximum at 25 °C input circuit +/- 0.03 % at 25 °C input circuit +/- 0.007 %/°C of full scale maximum at 0...60 °C output circuit +/- 0.004 % of full scale at 0...60 °C output circuit
Linearity	Monotonic +/- 1 LSB output Monotonic +/- 1 LSB input 2.4 % over range, and - 9.6 % under range current 2.4 % over and under range voltage
Update time	320 ms input circuit 15 ms output circuit

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Fault type	Status byte output circuit Overtacking scale (unipolar) input circuit Open circuit input/output circuit
Isolation between channels	750 V DC for 1 minute 500 V AC for 1 minute
Isolation between channels and bus	750 V DC for 1 minute 500 V AC for 1 minute
Isolation between input channels and output channels	750 V for 1 minute 500 V for 1 minute
Marking	CE
Local signalling	6 LEDs red channel fault 6 LEDs green channel is turned on 1 LED red external fault 1 LED green bus communication is present (Active)
Bus current requirement	350 mA
Module format	Standard
Product weight	0.3 kg

Environment

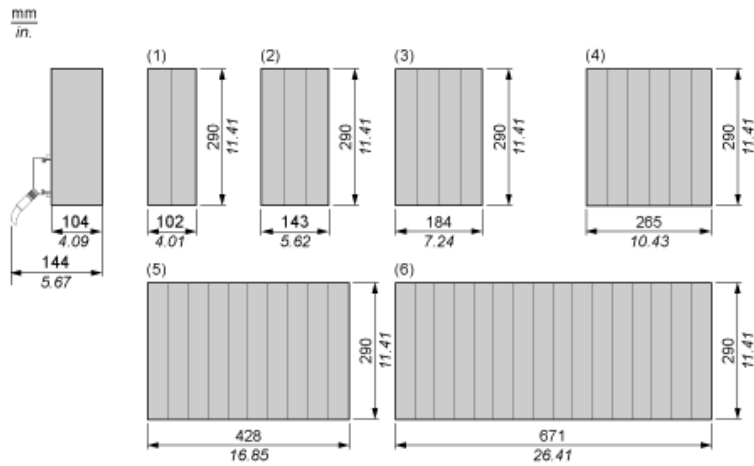
Product certifications	C-Tick.1 FM Class 1 Division 2
Standards	CSA C22.2 No 142 UL 508
Resistance to electromagnetic fields	10 V/m 80...2000 MHz conforming to IEC 801-3
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-40...85 °C
Relative humidity	95 % without condensation
Operating altitude	<= 5000 m

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0842 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available Download Product Environmental
Product end of life instructions	Need no specific recycling operations

Racks for Modules Mounting

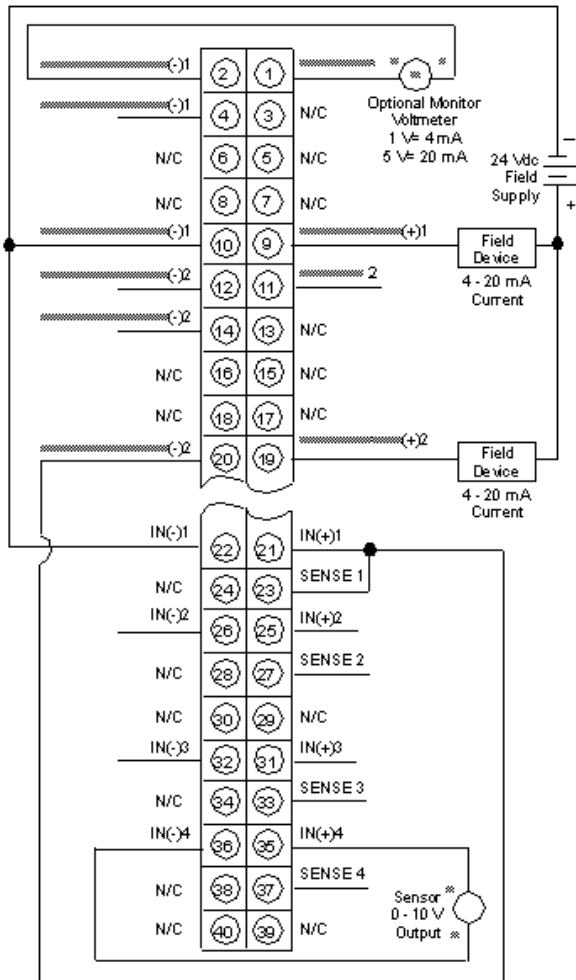
Dimensions of Modules and Racks



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

Analog Input/Output Module

Wiring Diagram



N/C Not Connected

- Jumpers are required between IN (+) and SENSE terminals for all current input ranges.
- Pins 1 ... 20 are outputs.
Pins 21 ... 40 are inputs.
- For Inputs, the maximum channel to channel working voltage cannot exceed 30 Vdc.