



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 847 Hz +/- 20 %

Complementary

Analogue input number	8
Input type	Differential
Addressing requirement	9 input words
Analogue input type	Bipolar current 20 mA Bipolar voltage +/- 10 V Bipolar voltage +/- 5 V Unipolar current 0...20 mA Unipolar voltage 0...10 V Unipolar voltage 0...5 V
Analogue input resolution	16 bits +/- 10 V 16 bits +/- 5 V 16 bits 0...10 V 16 bits 0...20 mA 16 bits 0...5 V 16 bits 20 mA
Linear measuring range	(input range) x 1.024 mA (input range) x 1.024 V
Absolute maximum input	25 mA 50 V DC 50 V DC
Input impedance	> 20 Ohm voltage 250 MOhm +/- 0.03 %
Absolute accuracy error	+/- 0.03 % +/- 0.05 % of full scale maximum
Linearity error	+/- 0.008 %
Accuracy drift according to temperature	+/- 0.0015 % of full scale/°C ≤ 0.004 % of full scale /°C
Common mode rejection	> - 80 dB 60 Hz
Isolation between channels and bus	500 Vrms AC for 60 s 750 V DC
Isolation between channels	135 Vrms AC 200 V DC
Update time	10 ms
Fault type	Broken wire 4...20 mA Overtaking scale 1...5 V
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	280 mA
Power dissipation in W	2.2 W
Module format	Standard

Product weight	0.66 lb(US) (0.3 kg)
----------------	----------------------

Environment

standards	CSA C22.2 No 142 UL 508
product certifications	CUL FM Class 1 Division 2
resistance to electrostatic discharge	4 kV contact conforming to IEC 801-2 4 kV contact conforming to IEC 801-2 8 kV on air conforming to IEC 801-2
resistance to electromagnetic fields	9.14 V/yd (10 V/m) 80...1000 MHz conforming to IEC 801-3
ambient air temperature for operation	32...140 °F (0...60 °C)
ambient air temperature for storage	-40...185 °F (-40...85 °C)
relative humidity	95 % without condensation
operating altitude	<= 16404.2 ft (5000 m)

Offer Sustainability

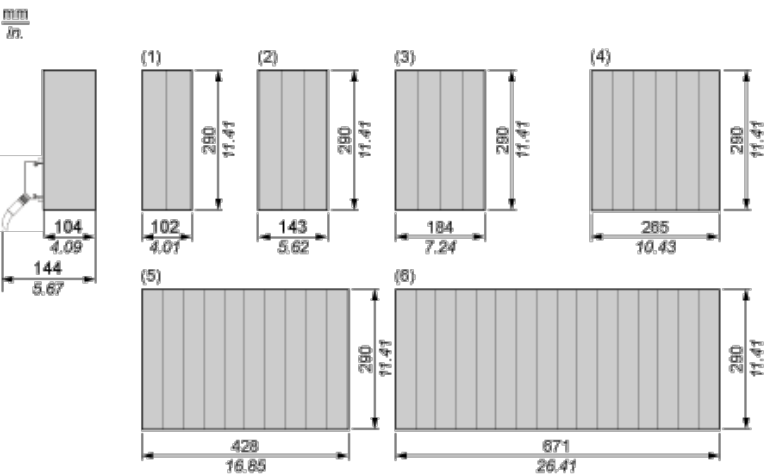
Green Premium product	Green Premium product
Compliant - since 0951 - Schneider Electric declaration of conformity	Compliant - since 0951 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Available	Available
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm.	Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm.
For more information go to www.p65warnings.ca.gov	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
-----------------	-----------

Racks for Modules Mounting

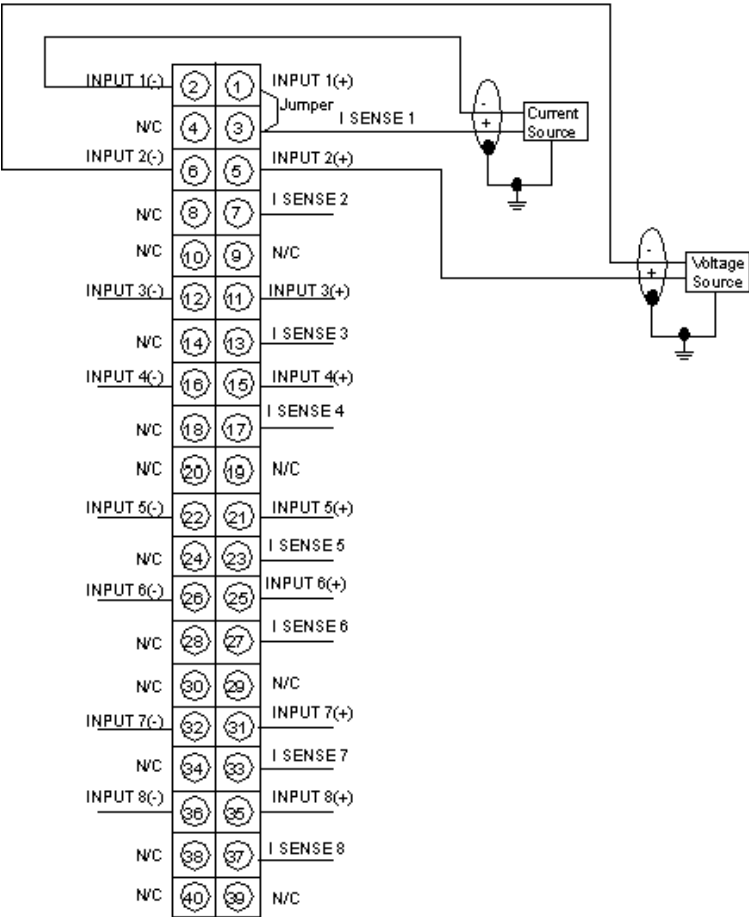
Dimensions of Modules and Racks



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

Analog Input 8-Channel Bipolar Module

Wiring Diagram



N/C Not Connected