



Main

Range of product	Modicon Premium Automation platform
Product or component type	Analog input module
Input level	High level
Analogue input number	8
Analogue input type	Voltage 1...5 V Voltage 0...5 V Voltage 0...10 V Voltage +/- 10 V Current 4...20 mA Current 0...20 mA
Analog/Digital conversion	12 bits

Complementary

Nominal read cycle time	27 ms
Fast read cycle time	3 ms + 3 ms x number of channels used
Measurement error	0.41 % of full scale 4...20 mA 0...60 °C 0.41 % of full scale 0...20 mA 0...60 °C 0.25 % of full scale 4...20 mA 25 °C 0.25 % of full scale 0...20 mA 25 °C 0.22 % of full scale 1...5 V 0...60 °C 0.22 % of full scale 0...5 V 0...60 °C 0.22 % of full scale 0...10 V 0...60 °C 0.22 % of full scale +/- 10 V 0...60 °C 0.19 % of full scale 0...10 V 25 °C 0.19 % of full scale +/- 10 V 25 °C 0.15 % of full scale 1...5 V 25 °C 0.15 % of full scale 0...5 V 25 °C
Isolation between channels and bus	1000 Vrms
Isolation between channels and ground	1000 Vrms
Isolation between channels	Common point
Common mode between channels	None
Maximum overvoltage on input	-30...30 V at state 1 250 Ohm -15...15 V at state 0 250 Ohm
Electrical connection	1 connector SUB-D 25
Overcurrent	-30...30 mA at state 1 250 kOhm
Marking	CE
Current consumption	270 mA 5 V DC
Module format	Standard
Product weight	0.31 kg

Environment

Standards	IEC 1131
Product certifications	ABS BV DNV GL LR RINA RMRS
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-25...70 °C
Relative humidity	5...95 % without condensation for storage 10...95 % without condensation for operation

Operating altitude	0...2000 m
Protective treatment	Conformal coating Humiseal 1A33 TC
IP degree of protection	IP20
Pollution degree	2

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS	Compliant - since 0849 - Schneider Electric declaration of conformity download declaration of conformity

Standard and Extendable Racks for Modules Mounting

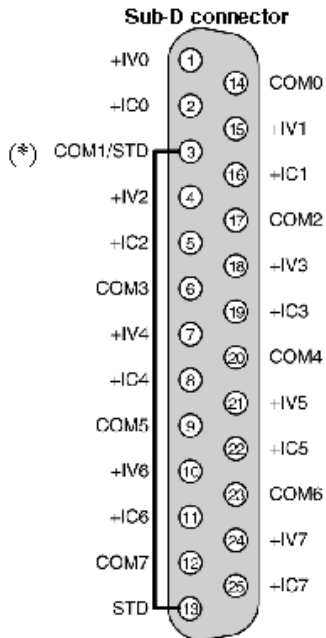
Dimensions of Modules and Racks



- (1) With screw terminal block modules.
- (2) Maximum depth for all types of modules and their associated connectors.

Analog Input Module (8-Channel, Voltage/Current)

Connector Pin Assignment



+IVx + pole voltage input for channel x

+ICx + pole current input for channel x

COMx pole voltage or current input for channel x

(*) The strap between pins 3 and 13 enables any removal of the connector to be detected.

STD

NOTE: The COMx pins are connected internally in the module.