



Main

Range of product	Modicon Premium Automation platform
Product or component type	Analog input module
Input level	High level
Analogue input number	4
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	16 bits

Complementary

Nominal read cycle time	1 ms
Measurement error	0.4 % of full scale 4...20 mA 0...60 °C 0.4 % of full scale 1...5 V 0...60 °C 0.4 % of full scale 0...5 V 0...60 °C 0.4 % of full scale 0...20 mA 0...60 °C 0.2 % of full scale 4...20 mA 25 °C 0.2 % of full scale 1...5 V 25 °C 0.2 % of full scale 0...5 V 25 °C 0.2 % of full scale 0...20 mA 25 °C 0.2 % of full scale 0...10 V 0...60 °C 0.2 % of full scale +/- 10 V 0...60 °C 0.1 % of full scale 0...10 V 25 °C 0.1 % of full scale +/- 10 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	500 mA 5 V DC
Module format	Standard
Product weight	0.33 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	TC
IP degree of protection	IP20
Pollution degree	2

## Offer Sustainability

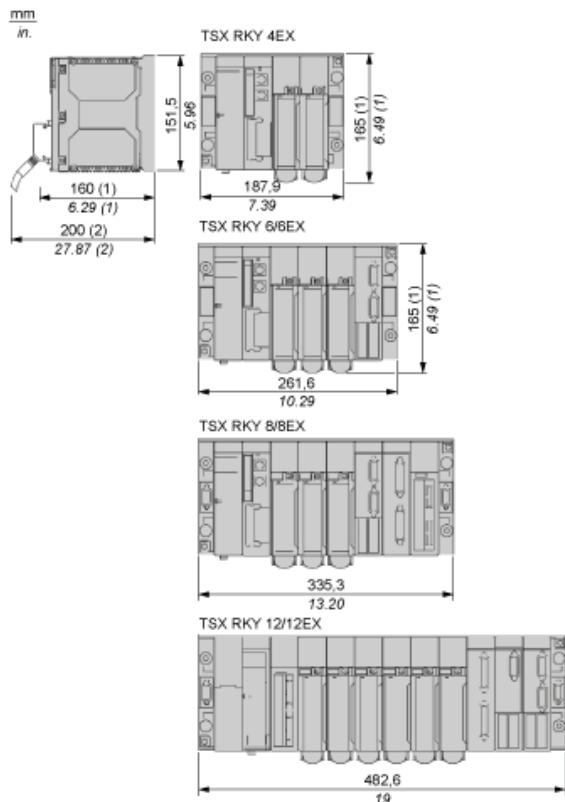
Sustainable offer status	Not Green Premium product
RoHS	Compliant - since 0840 - Schneider Electric declaration of conformity <a href="#">download declaration of conformity</a>

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### Standard and Extendable Racks for Modules Mounting

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#### Dimensions of Modules and Racks



(1) With screw terminal block modules.

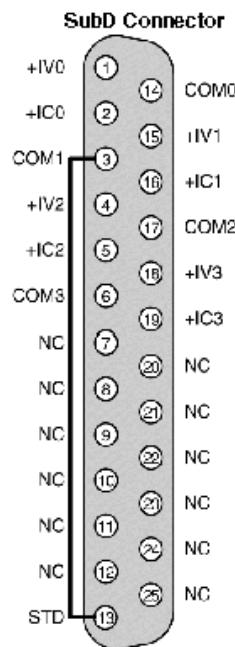
(2) Maximum depth for all types of modules and their associated connectors.

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Analog Input Module (4-Channel, Voltage/Current)

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Connector Pin Assignment



NC Pin not connected

+IVx + Pole voltage input of channel x

+ICx + Pole current input of channel x

COMx Pole current or voltage input of channel x

STD The "strap" between pins 3 and 13 detects the unplugging of the connector.

NOTE: The COM0, COM1, COM2, and COM3 pins are linked internally in the module.