



Commercial status

End of Commercialisation :

⚠ End of Commercialisation

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	Current 0...20 mA Current 4...20 mA Voltage +/- 10 V Voltage 0...10 V Voltage 0...5 V Voltage 1...5 V
Analog/digital conversion	16 bits

Complementary

Nominal read cycle time	1 ms
Measurement error	0.1 % of full scale +/- 10 V 25 °C 0.1 % of full scale 0...10 V 25 °C 0.2 % of full scale +/- 10 V 0...60 °C 0.2 % of full scale 0...10 V 0...60 °C 0.2 % of full scale 0...20 mA 25 °C 0.2 % of full scale 0...5 V 25 °C 0.2 % of full scale 1...5 V 25 °C 0.2 % of full scale 4...20 mA 25 °C 0.4 % of full scale 0...20 mA 0...60 °C 0.4 % of full scale 0...5 V 0...60 °C 0.4 % of full scale 1...5 V 0...60 °C 0.4 % of full scale 4...20 mA 0...60 °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
Input overvoltage protection	-15...15 V at state 0 250 Ohm -30...30 V at state 1 250 Ohm
Electrical connection	1 connector SUB-D 25
Overcurrent	-30...30 mA at state 1 250 kOhm
Marking	CE
Current consumption	500 mA at 5 V DC
Module format	Standard
Net weight	0.33 Kg

Environment

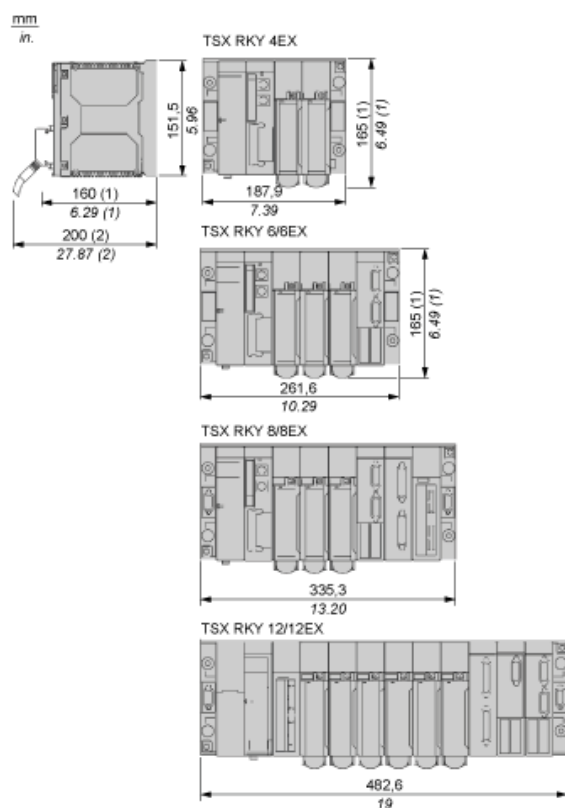
Standards	IEC 1131
Product certifications	DNV GL RMRS RINA LR BV ABS
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-25...70 °C
Relative humidity	10...95 % without condensation for operation 5...95 % without condensation for storage
Operating altitude	0...2000 m
Protective treatment	TC Conformal coating Humiseal 1A33
IP degree of protection	IP20
Pollution degree	2

Contractual warranty

Warranty	18 months
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Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

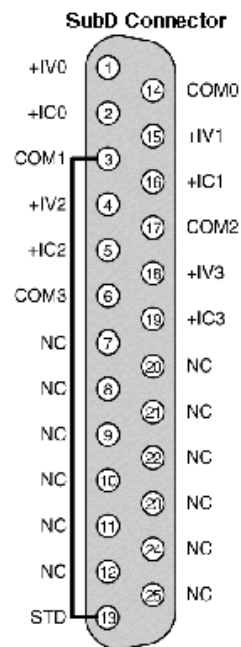


(1) With screw terminal block modules.

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

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

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.

Product Life Status : **Post commercialisation**

TSXAEY420C may be replaced by any of the following products:



BMXAMI0410H
analog input module X80 - 4 inputs - for severe environments
Qty 1
Reason for Substitution: End of life | Substitution date: 31 Dec 2017 | Not same dimensions/design - no fast cycle 1ms for all channels



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BMXAMI0410H
analog input module X80 - 4 inputs - for severe environments
Qty 1
Reason for Substitution: End of life | Substitution date: 30 Jun 2018 |