



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	Low level
Analogue input number	8
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	29.7 ms
Fast read cycle time	3.3 ms + 3.3 ms x number of channels used
Measurement error	0.12 % of full scale 0...20 mA 0...60 °C 0.12 % of full scale 4...20 mA 0...60 °C 0.13 % of full scale 0...5 V 25 °C 0.13 % of full scale 1...5 V 25 °C 0.142 % of full scale 0...20 mA 25 °C 0.142 % of full scale 4...20 mA 25 °C 0.191 % of full scale 0...5 V 0...60 °C 0.191 % of full scale 1...5 V 0...60 °C 0.244 % of full scale +/- 10 V 25 °C 0.244 % of full scale 0...10 V 25 °C 0.305 % of full scale +/- 10 V 0...60 °C 0.305 % of full scale 0...10 V 0...60 °C
Isolation between channels and bus	1000 Vrms
Isolation between channels and ground	1000 Vrms
Isolation between channels	+/- 200 V
Common mode between channels	+/- 200
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	475 mA at 5 V DC
Module format	Standard
Net weight	0.33 Kg

Environment

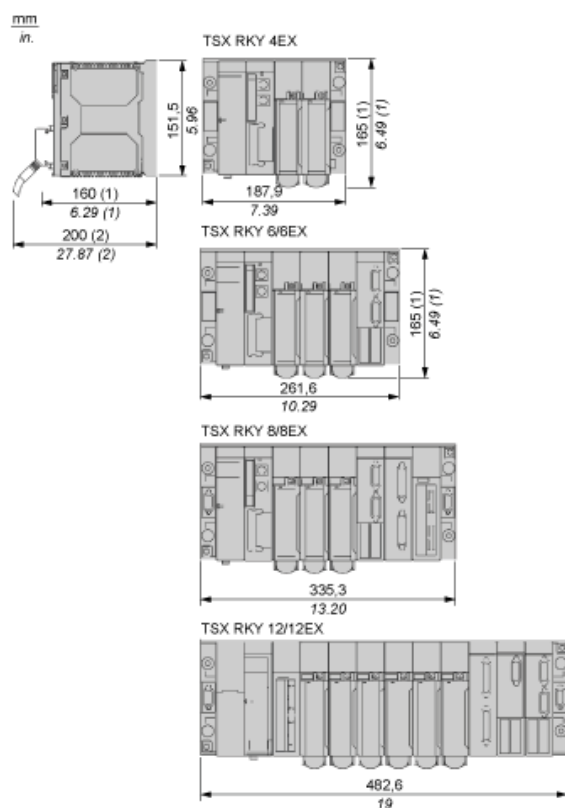
Standards	IEC 1131
Product certifications	ABS RINA LR BV DNV GL RMRS
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-25...70 °C
Relative humidity	10...95 % without condensation for operation 5...95 % without condensation for storage
Operating altitude	0...2000 m
Protective treatment	TC
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

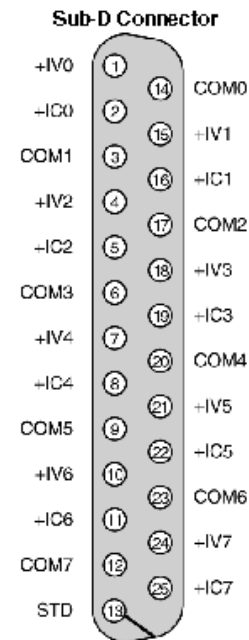


(1) With screw terminal block modules.

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

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

Connector Pin Assignment



+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 pin 13 and the ground (using a cover) is used to detect connector unpinning.

Product Life Status : **Post commercialisation**

TSXAEY810 may be replaced by any of the following products:



BMXAMI0810
isolated analogue input module X80 - 8 inputs - high speed
Qty 1
Reason for Substitution: End of life | Substitution date: 30 Jun 2018 |



BMXAMI0810
isolated analogue input module X80 - 8 inputs - high speed
Qty 1
Reason for Substitution: End of life | Substitution date: 31 Dec 2018 | Not same dimensions/design



BMXAMI0810
isolated analogue input module X80 - 8 inputs - high speed
Qty 1
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