



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	16
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	12 bits

Complementary

Nominal read cycle time	51 ms
Fast read cycle time	3 ms + 3 ms x number of channels used
Measurement error	0.1 % of full scale +/- 10 V 25 °C 0.1 % of full scale 0...10 V 25 °C 0.1 % of full scale 0...5 V 25 °C 0.1 % of full scale 1...5 V 25 °C 0.13 % of full scale +/- 10 V 0...60 °C 0.13 % of full scale 0...10 V 0...60 °C 0.13 % of full scale 0...5 V 0...60 °C 0.13 % of full scale 1...5 V 0...60 °C 0.16 % of full scale 0...20 mA 25 °C 0.16 % of full scale 4...20 mA 25 °C 0.32 % of full scale 0...20 mA 0...60 °C 0.32 % 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 kOhm -30...30 V at state 1 250 kOhm
Electrical connection	2 connectors SUB-D 25
Overcurrent	-30...30 MA at state 1 250 kOhm
Marking	CE
Current consumption	270 mA at 5 V DC
Module format	Standard
Net weight	0.34 Kg

Environment

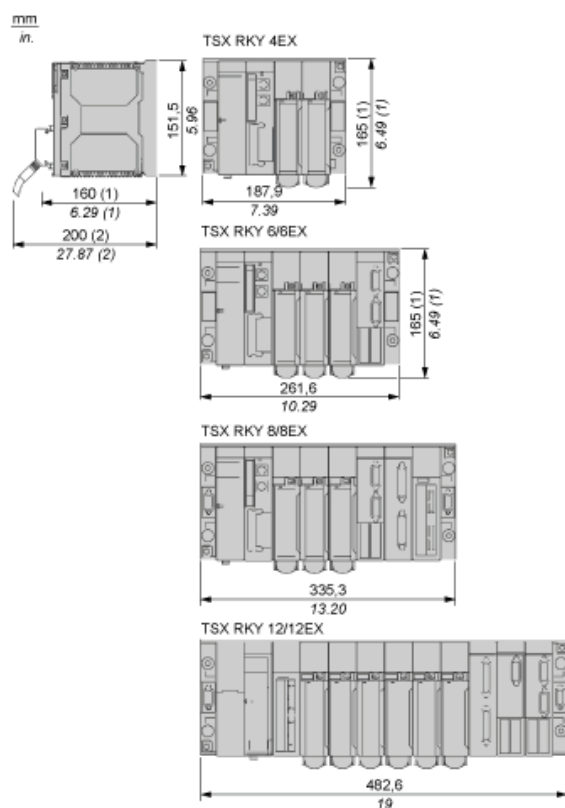
Standards	IEC 1131
Product certifications	BV GL LR DNV RINA ABS RMRS
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-25...70 °C
Relative humidity	10...95 % without condensation for operation 5...95 % without condensation for storage
Operating altitude	0...2000 m
Protective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

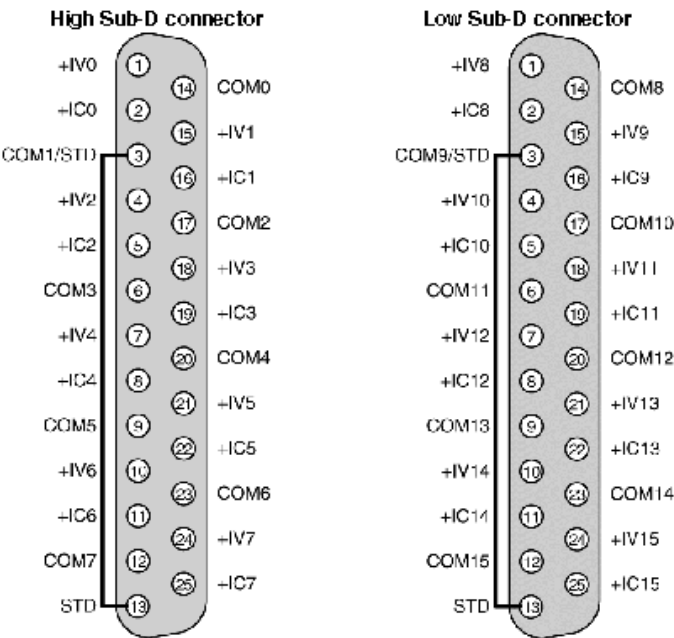


(1) With screw terminal block modules.

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

Analogue Input Module (16-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 pins 3 and 13 detects the unplugging of the connector.
NOTE: The COMx pins are linked internally in the module.

Product Life Status : **Post commercialisation**

TSXAEY1600 may be replaced by any of the following products:



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



BMXAMI0810
isolated analog input module X80 - 8 inputs - high speed
Qty 1
Reason for Substitution: End of life | Substitution date: 31 Dec 2018 | Not same dimensions/design - less channel 8 vs.Premium 16 analog input



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