

Product data sheet

Specifications



Analog input module, Modicon Premium, 8 low level isolated inputs, 16 bits conversion, 475mA at 5VDC

TSXAEY810

⚠ Discontinued on: Dec 2, 2020

⚠ To be end-of-service on: Dec 31, 2026

⚠ Discontinued - Service only

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 5 V DC
Module format	Standard

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Net Weight	0.73 lb(US) (0.33 kg)
------------	-----------------------

Environment

Standards	IEC 1131
-----------	----------

Product Certifications	ABS RINA LR BV DNV GL RMRS
------------------------	--

Ambient Air Temperature for Operation	32.0000000000...140.0000000000 °F (0...60 °C)
---------------------------------------	---

Ambient Air Temperature for Storage	-13.0000000000...158.0000000000 °F (-25...70 °C)
-------------------------------------	--

Relative Humidity	10...95 % without condensation for operation 5...95 % without condensation for storage
-------------------	---

Operating altitude	0...6561.68 ft (0...2000 m)
--------------------	-----------------------------

protective treatment	TC
----------------------	----

IP Degree of Protection	IP20
-------------------------	------

Pollution degree	2
------------------	---

Ordering and shipping details

Category	22558-TSX PREMIUM, ATRIUM & PL7 PRO
----------	-------------------------------------

Discount Schedule	PC22
-------------------	------

GTIN	3389110876345
------	---------------

Returnability	No
---------------	----

Country of origin	FR
-------------------	----

Packing Units

Unit Type of Package 1	PCE
------------------------	-----

Number of Units in Package 1	1
------------------------------	---

Package 1 Height	2.2 in (5.5 cm)
------------------	-----------------

Package 1 Width	7.09 in (18.0 cm)
-----------------	-------------------

Package 1 Length	10.2 in (26.0 cm)
------------------	-------------------

Package 1 Weight	15.3 oz (434.0 g)
------------------	-------------------

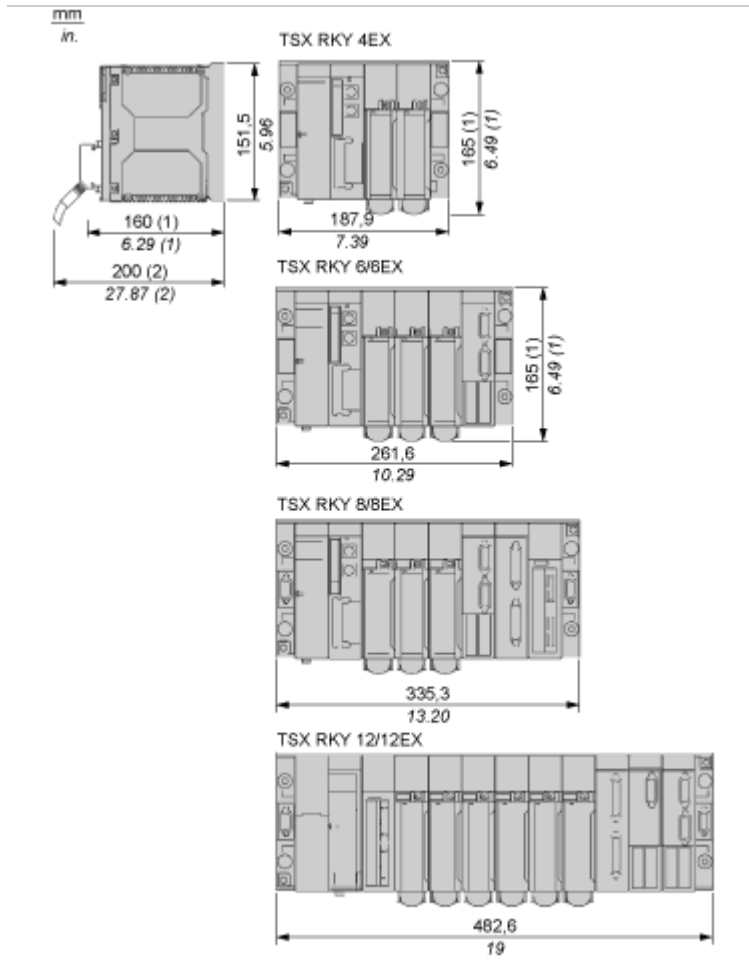
Contractual warranty

Warranty	18 months
----------	-----------

Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks



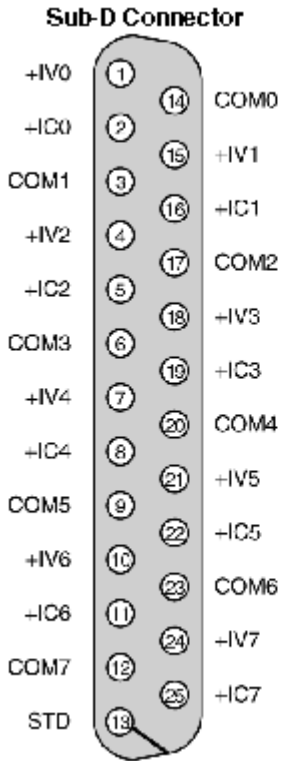
(1) With screw terminal block modules.

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

Connections and Schema

Analog 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.