Product data sheet
Characteristics

TSXAEY800
analog input module with common point
Modicon Premium - 8 I multirange

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	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	12 bits

Complementary

Nominal read cycle time	27 ms
Fast read cycle time	3 ms + 3 ms x number of channels used
Measurement error	0.15 % of full scale 0...5 V 25 °C 0.15 % of full scale 1...5 V 25 °C 0.19 % of full scale +/- 10 V 25 °C 0.19 % of full scale 0...10 V 25 °C 0.22 % of full scale +/- 10 V 0...60 °C 0.22 % of full scale 0...10 V 0...60 °C 0.22 % of full scale 0...5 V 0...60 °C 0.22 % of full scale 1...5 V 0...60 °C 0.25 % of full scale 0...20 mA 25 °C 0.25 % of full scale 4...20 mA 25 °C 0.41 % of full scale 0...20 mA 0...60 °C 0.41 % 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	270 mA at 5 V DC
Module format	Standard
Net weight	0.31 Kg

Environment

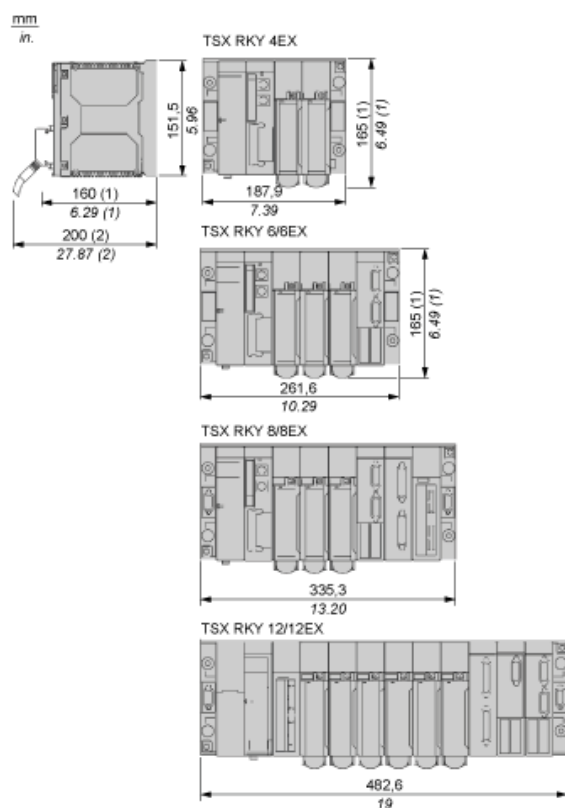|	
Standards	IEC 1131
Product certifications	DNV RINA GL BV LR RMRS ABS
Ambient air temperature for operation	0…60 °C
Ambient air temperature for storage	-25…70 °C
Relative humidity	10…95 % without condensation for operation 5…95 % without condensation for storage
Operating altitude	0...2000 m
Protective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

Contractual warranty

Warranty	18 months

Standard and Extendable Racks for Modules Mounting
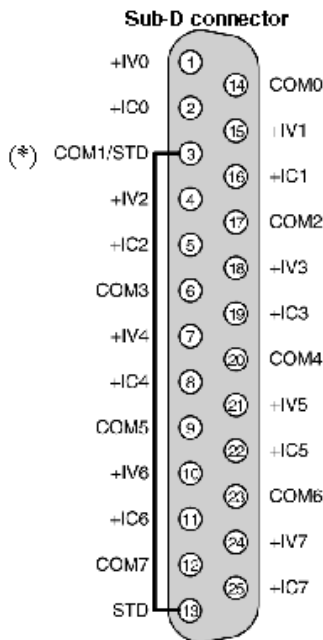
Dimensions of Modules and Racks

(1) With screw terminal block modules.

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

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

Connector Pin Assignment

Sub-D connector

```
+IV0      (1)
          (14)  COM0
-IC0      (2)
          (15)  IV1
(*) COM1/STD (3)
          (16)  +IC1
+IV2      (4)
          (17)  COM2
+IC2      (5)
          (18)  +IV3
COM3      (6)
          (19)  +IC3
+IV4      (7)
          (20)  COM4
+IC4      (8)
          (21)  +IV5
COM5      (9)
          (22)  +IC5
+IV6      (10)
          (23)  COM6
+IC6      (11)
          (24)  +IV7
COM7      (12)
          (25)  +IC7
STD       (13)
```

+IVx + pole voltage input for channel x
+ICx + pole current input for channel x
COMx pole voltage or current input for channel x
(*) STDThe strap between pins 3 and 13 enables any removal of the connector to be detected.

NOTE: The COMx pins are connected internally in the module.

Product Life Status :	Post commercialisation

TSXAEY800 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

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

Schneider Electric

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

BMXAMI0810

isolated analog input module X80 - 8 inputs - high speed

Qty 1

Reason for Substitution: End of life | Substitution date: 31 Dec 2018 |