Product data sheet
Characteristics

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

Restricted Sales for Services

Commercial status

Discontinued on: 31 December 2018

To be end-of-service on: 31 December 2026

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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	445 g
Package 1 Height	5.5 cm
Package 1 width	18 cm
Package 1 Length	26 cm

Contractual warranty

Warranty	18 months

TSXAEY800 is replaced by:

Standard environment BMXAMI0810

isolated analog input module X80 - 8 inputs - high speed

Qty 1

Reason for Substitution: End of life | Substitution date: 30 September 2019 | This is not interchangeable but an equivalent functional product in the Modicon M580/X80 range. Please contact technical support about your migration options.

Life Is On | Schneider Electric