

# TSXAEY800

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



## 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
Maximum overvoltage on input	-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 5 V DC
Module format	Standard
Product weight	0.31 kg

## Environment

Standards	IEC 1131
Product certifications	ABS BV DNV GL LR RINA 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

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. This information is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Protective treatment	TC
IP degree of protection	IP20
Pollution degree	2

### Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS	Compliant - since 0849 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold