Product datasheet
Characteristics

TSXAEY810
isolated analog input module Modicon Premium - 8 I multirange

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
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	475 mA 5 V DC
Module format	Standard
Product weight	0.33 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

Schneider Electric

Protective treatment	TC
IP degree of protection	IP20
Pollution degree	2

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS	Compliant - since 0839 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold