



Commercial status

Discontinued: 31 December 2018

ⓘ Restricted Sales for Services

Main

Range of product	Modicon Premium Automation platform
Product or component type	Analog input module
Input level	High level
Analogue input number	16
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	51 ms
Fast read cycle time	3 ms + 3 ms x number of channels used
Measurement error	0.1 % of full scale +/- 10 V 25 °C 0.1 % of full scale 0...10 V 25 °C 0.1 % of full scale 0...5 V 25 °C 0.1 % of full scale 1...5 V 25 °C 0.13 % of full scale +/- 10 V 0...60 °C 0.13 % of full scale 0...10 V 0...60 °C 0.13 % of full scale 0...5 V 0...60 °C 0.13 % of full scale 1...5 V 0...60 °C 0.16 % of full scale 0...20 mA 25 °C 0.16 % of full scale 4...20 mA 25 °C 0.32 % of full scale 0...20 mA 0...60 °C 0.32 % 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 kOhm -30...30 V at state 1 250 kOhm
Electrical connection	2 connectors SUB-D 25
Overcurrent	-30...30 mA at state 1 250 kOhm
Marking	CE

Disclaimer: This documentation 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

Current consumption	270 mA at 5 V DC
Module format	Standard
Net weight	0.34 kg

Environment

Standards	IEC 1131
Product certifications	BV GL LR DNV RINA ABS 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
Protective treatment	TC
IP degree of protection	IP20
Pollution degree	2

Contractual warranty

Warranty	18 months
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TSXAEY1600 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: 31 December 2018