

# TSXA EY1600

analog input module Modicon Premium - 16 I  
multirange



## Main

Range of product	Modicon Premium Automation platform
Product or component type	Analog input module
Analogue input number	16
Analogue input type	Current 4...20 mA Current 0...20 mA Voltage +/- 10 V Voltage 0...10 V Voltage 0...5 V Voltage 1...5 V
Analog/Digital conversion	12 bits
Isolation between channels	Common point

## Complementary

Input level	High level
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 4...20 mA 25 °C 0.16 % of full scale 0...20 mA 25 °C 0.32 % of full scale 4...20 mA 0...60 °C 0.32 % of full scale 0...20 mA 0...60 °C
Isolation between channels and bus	1000 Vrms
Isolation between channels and ground	1000 Vrms
Common mode between channels	None
Maximum overvoltage on input	-30...30 V at state 1 250 kOhm -15...15 V at state 0 250 kOhm
Electrical connection	2 connectors 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	0.34 kg

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## Environment

Standards	IEC 1131
Product certifications	ABS BV DNV (Det Norske Veritas) GL LR RINA RMRS
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-25...70 °C
Relative humidity	5...95 % without condensation for storage 10...95 % without condensation for operation
Operating altitude	0...2000 m
Protective treatment	TC
IP degree of protection	IP20
Pollution degree	2
RoHS EUR conformity date	0848
RoHS EUR status	Compliant