

TSXAEY1614

analog input module Modicon Premium - 16 I
thermocouple ± 63 mV



Main

Range of product	Modicon Premium Automation platform
Product or component type	Analog input module
Analogue input number	16
Analogue input type	Thermocouple thermocouple B Thermocouple thermocouple E Thermocouple thermocouple J Thermocouple thermocouple K Thermocouple thermocouple L Thermocouple thermocouple N Thermocouple thermocouple R Thermocouple thermocouple S Thermocouple thermocouple T Thermocouple thermocouple U Voltage +/- 80 mV
Analog/digital conversion	16 bits

Complementary

Nominal read cycle time	70 ms per channel
Measurement error	0.8 °C thermocouple E 25 °C 0.9 °C thermocouple J 25 °C 0.9 °C thermocouple L 25 °C 1 °C thermocouple K 25 °C 1 °C thermocouple T 25 °C 1 °C thermocouple U 25 °C 1.1 °C thermocouple N 25 °C 1.2 °C thermocouple E 0...60 °C 1.3 °C thermocouple T 0...60 °C 1.3 °C thermocouple U 0...60 °C 1.4 °C thermocouple J 0...60 °C 1.4 °C thermocouple L 0...60 °C 1.6 °C thermocouple K 0...60 °C 1.7 °C thermocouple N 0...60 °C 2.1 °C thermocouple R 25 °C 2.2 °C thermocouple S 25 °C 2.4 °C thermocouple R 0...60 °C 2.5 °C thermocouple B 25 °C 3.7 °C thermocouple S 0...60 °C 4 °C thermocouple B 0...60 °C
Isolation between channels and bus	1000 Vrms
Isolation between channels and ground	1000 Vrms
Common mode between channels	250 V AC or 280 V AC
Common mode between channels and earth	250 V DC
Maximum overvoltage on input	-15...15 V at state 0 250 Ohm -30...30 V at state 1 250 Ohm
Electrical connection	2 connectors SUB-D 25
Overcurrent	-30...30 mA at state 1 250 kOhm
Marking	CE
Current consumption	300 mA 5 V DC
Module format	Standard
Product weight	0.35 kg

Environment

Standards	DIN 43710 DIN 43760 IEC 1131 IEC 584 IEC 751 NFC 42-330
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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
Protective treatment	TC
IP degree of protection	IP20
Pollution degree	2

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS	Compliant - since 0746 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold