

TSXAEY414C

analog input module - 4 low level input -
multirange - 16 bits



Main

Range of product	Modicon Premium Automation platform
Product or component type	Analog input module
Input level	Low level
Analogue input number	4
Analogue input type	Voltage 1...5 V Voltage 0...5 V Voltage 0...10 V Voltage +/- 5 V Voltage +/- 10 V Voltage - 13...63 mV Thermocouple thermocouple U Thermocouple thermocouple T Thermocouple thermocouple S Thermocouple thermocouple R Thermocouple thermocouple N Thermocouple thermocouple L Thermocouple thermocouple K Thermocouple thermocouple J Thermocouple thermocouple E Thermocouple thermocouple B Temperature probe Pt 1000 4 wires Temperature probe Pt 1000 2 wires Temperature probe Pt 100 4 wires Temperature probe Pt 100 2 wires Temperature probe Ni 1000 4 wires Temperature probe Ni 1000 2 wires Resistor 0...400 Ohm Resistor 0...3850 Ohm Current 4...20 mA
Analog/Digital conversion	16 bits

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Complementary

Nominal read cycle time	550 ms
Measurement error	5 °C Pt 1000 0...60 °C 2.5 °C Pt 1000 25 °C 2.4 °C Pt 100 0...60 °C 2 °C Ni 1000 0...60 °C 1.2 °C Pt 100 25 °C 1 °C Ni 1000 25 °C 9.8 °C thermocouple L internal 0...60 °C 9.5 °C thermocouple J internal 0...60 °C 8.8 °C thermocouple T internal 0...60 °C 8.7 °C thermocouple N internal 0...60 °C 8.5 °C thermocouple S external 0...60 °C 8.1 °C thermocouple E internal 0...60 °C 8.1 °C thermocouple B internal 0...60 °C 7.8 °C thermocouple K internal 25 °C 7.7 °C thermocouple R external 0...60 °C 7.5 °C thermocouple L internal 25 °C 7.3 °C thermocouple U internal 0...60 °C 7.3 °C thermocouple J internal 25 °C 6.6 °C thermocouple T internal 25 °C 6.6 °C thermocouple S internal 25 °C 6.1 °C thermocouple E internal 25 °C 6 °C thermocouple R internal 25 °C 6 °C thermocouple N internal 25 °C 5.4 °C thermocouple U internal 25 °C 4.7 °C thermocouple K external 0...60 °C 4.3 °C thermocouple N external 0...60 °C 4.1 °C thermocouple L external 0...60 °C 3.8 °C thermocouple J external 0...60 °C 3.5 °C thermocouple B internal 25 °C 3.5 °C thermocouple B external 0...60 °C 3.4 °C thermocouple S external 25 °C 3.2 °C thermocouple T external 0...60 °C 3.2 °C thermocouple R external 25 °C 3.2 °C thermocouple E external 0...60 °C 3.1 °C thermocouple U external 0...60 °C 2.3 °C thermocouple K external 25 °C 2 °C thermocouple N external 25 °C 2 °C thermocouple L external 25 °C 12 °C thermocouple S internal 0...60 °C 11 °C thermocouple R internal 0...60 °C 10.5 °C thermocouple K internal 0...60 °C 1.8 °C thermocouple J external 25 °C 1.5 °C thermocouple U external 25 °

Overcurrent	-25...25 mA at state 1 250 kOhm
Marking	CE
Current consumption	660 mA 5 V DC
Module format	Standard
Product weight	0.32 kg

Environment

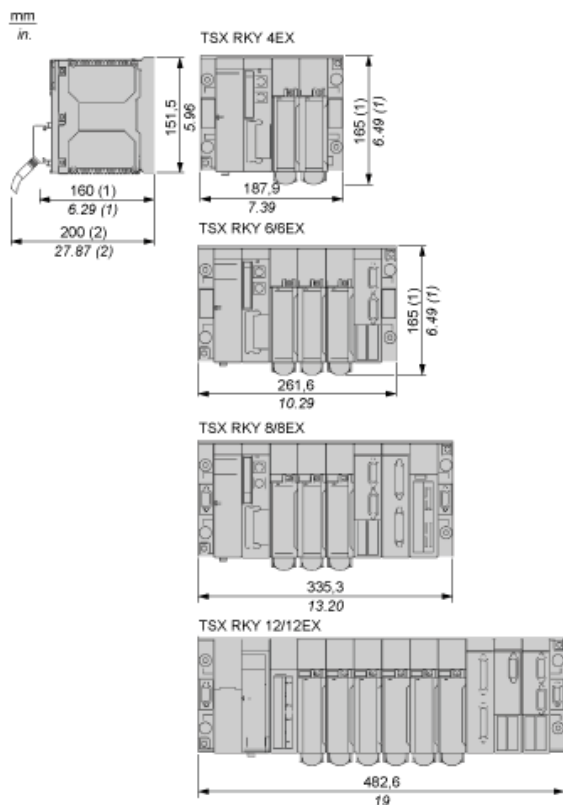
Standards	DIN 43710 DIN 43760 IEC 1131 IEC 584 IEC 751 NFC 42-330
Product certifications	ABS BV DNV GL LR RINA RMRS
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-25...70 °C
Relative humidity	5...95 % without condensation for storage 10...95 % without condensation for operation
Operating altitude	0...2000 m
Protective treatment	Conformal coating Humiseal 1A33 TC
IP degree of protection	IP20
Pollution degree	2

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS	Compliant - since 0826 - Schneider Electric declaration of conformity download declaration of conformity

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

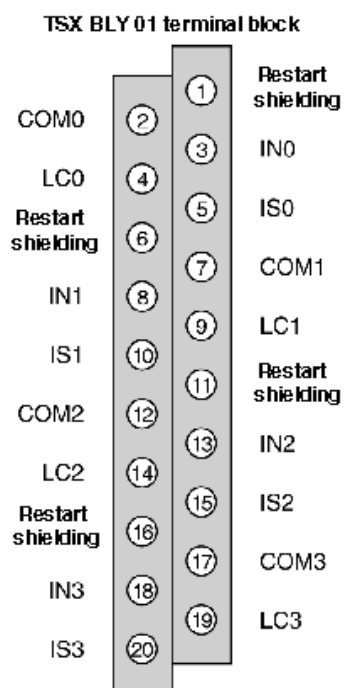


(1) With screw terminal block modules.

(2) Maximum depth for all types of modules and their associated connectors.

Analog Input Module (4-Channel, Voltage/Current/Thermocouple/Temperature Probe)

Terminal Block Pin Assignment



INx + Pole input of channel x
COMx Pole input of channel x
ISx + Pole supply of the probe
LCx Line compensation