

TSXAEY414

analog input module Modicon Premium - 4 I multirange

Product availability: Stock - Normally stocked in distribution facility

Price*: 1649.00 USD



Main

Commercial Status	Commercialised
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 °C 1.5 °C thermocouple T external 25 °C 1.5 °C thermocouple E external 25 °C 1.5 °C thermocouple B external 25 °C 0.86 % of full scale 4...20 mA 0...60 °C 0.56 % of full scale 1...5 V 0...60 °C 0.5 % of full scale +/- 5 V 0...60 °C 0.5 % of full scale +/- 10 V 0...60 °C 0.48 % of full scale 0...3850 Ohm 0...60 °C 0.45 % of full scale 4...20 mA 25 °C 0.45 % of full scale 0...5 V 0...60 °C 0.44 % of full scale - 13...63 mV 0...60 °C 0.39 % of full scale 0...10 V 0...60 °C 0.27 % of full scale 1...5 V 25 °C 0.27 % of full scale 0...400 Ohm 0...60 °C 0.27 % of full scale +/- 5 V 25 °C 0.27 % of full scale +/- 10 V 25 °C 0.22 % of full scale 0...5 V 25 °C 0.22 % of full scale 0...3850 Ohm 25 °C 0.19 % of full scale - 13...63 mV 25 °C 0.16 % of full scale 0...10 V 25 °C 0.13 % of full scale 0...400 Ohm 25 °C
Isolation between channels and bus	1780 Vrms
Isolation between channels and ground	1780 Vrms
Isolation between channels	2830 Vrms
Common mode between channels	415 V AC or 200 V DC

Common mode between channels and earth	240 V AC or 110 V DC
Maximum overvoltage on input	-30...30 V at state 1 250 Ohm -15...15 V at state 0 250 Ohm
Electrical connection	Screw terminal block
Overcurrent	-30...30 mA at state 1 250 kOhm
Marking	CE
Current consumption	660 mA 5 V DC
Module format	Standard
Product weight	0.71 lb(US) (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	32...140 °F (0...60 °C)
Ambient air temperature for storage	-13...158 °F (-25...70 °C)
Relative humidity	5...95 % without condensation for storage 10...95 % without condensation for operation
Operating altitude	0...6561.68 ft (0...2000 m)
Protective treatment	TC
IP degree of protection	IP20
Pollution degree	2

Ordering and shipping details

Category	22558 - TSX PREMIUM, ATRIUM & PL7 PRO
Discount Schedule	PC22
GTIN	00785901756958
Nbr. of units in pkg.	1
Product availability	Stock - Normally stocked in distribution facility
Returnability	Y
Country of origin	FR

Offer Sustainability

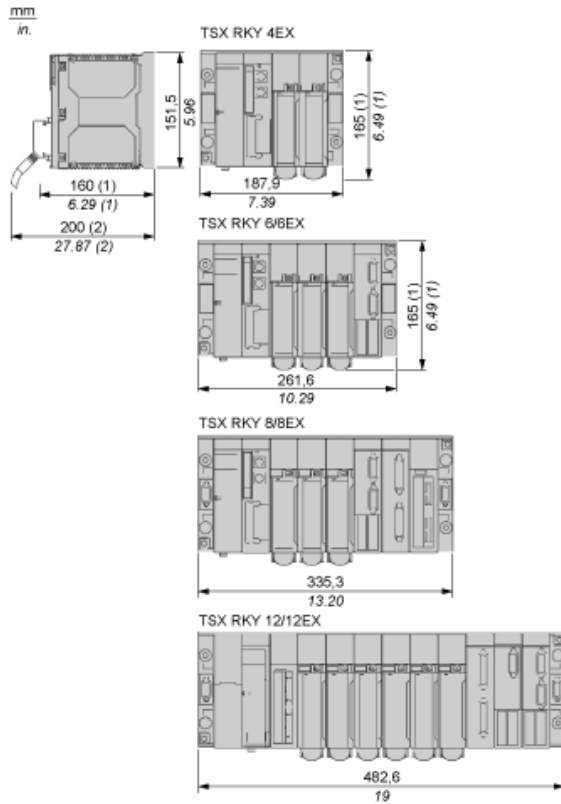
Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 0826 - Schneider Electric declaration of conformity
REACH	Reference contains SVHC above the threshold - go to CaP for more details
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Warranty period	18 months
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Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

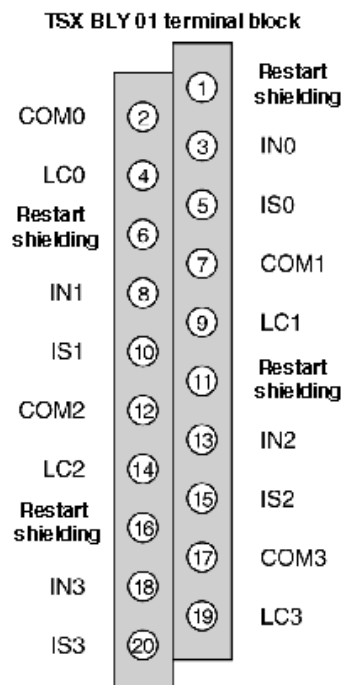


(1) With screw terminal block modules.

(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