



Main

Range of product	Modicon Premium Automation platform
Product or component type	Analog input module
Analogue input number	16
Analogue input type	Voltage +/- 80 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
Analog/Digital conversion	16 bits

Complementary

Nominal read cycle time	70 ms per channel
Measurement error	4 °C thermocouple B 0...60 °C 3.7 °C thermocouple S 0...60 °C 2.5 °C thermocouple B 25 °C 2.4 °C thermocouple R 0...60 °C 2.2 °C thermocouple S 25 °C 2.1 °C thermocouple R 25 °C 1.7 °C thermocouple N 0...60 °C 1.6 °C thermocouple K 0...60 °C 1.4 °C thermocouple L 0...60 °C 1.4 °C thermocouple J 0...60 °C 1.3 °C thermocouple U 0...60 °C 1.3 °C thermocouple T 0...60 °C 1.2 °C thermocouple E 0...60 °C 1.1 °C thermocouple N 25 °C 1 °C thermocouple U 25 °C 1 °C thermocouple T 25 °C 1 °C thermocouple K 25 °C 0.9 °C thermocouple L 25 °C 0.9 °C thermocouple J 25 °C 0.8 °C thermocouple E 25 °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	-30...30 V at state 1 250 Ohm -15...15 V at state 0 250 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

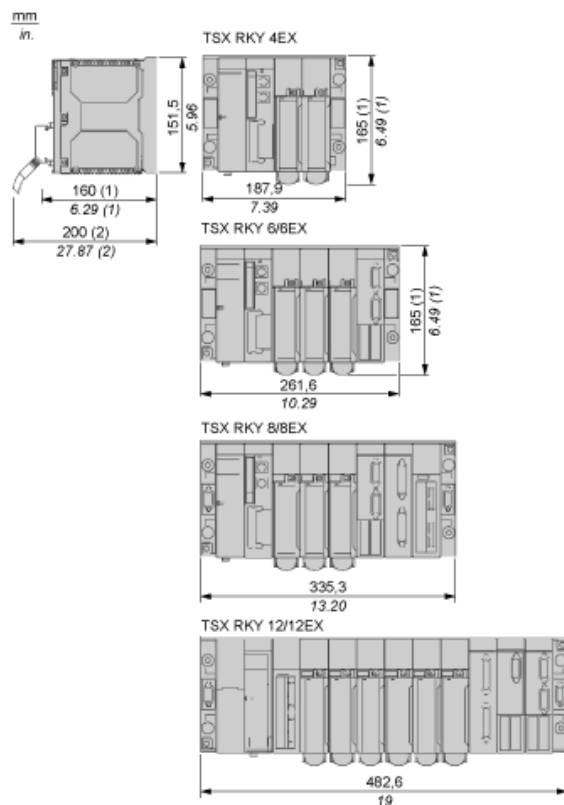
Standards	DIN 43710 DIN 43760 IEC 1131 IEC 584 IEC 751 NFC 42-330
Product certifications	ABS BV DNV GL LR RINA RMRS
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-25...70 °C
Relative humidity	5...95 % without condensation for storage 10...95 % without condensation 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 0801 - Schneider Electric declaration of conformity download declaration of conformity

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

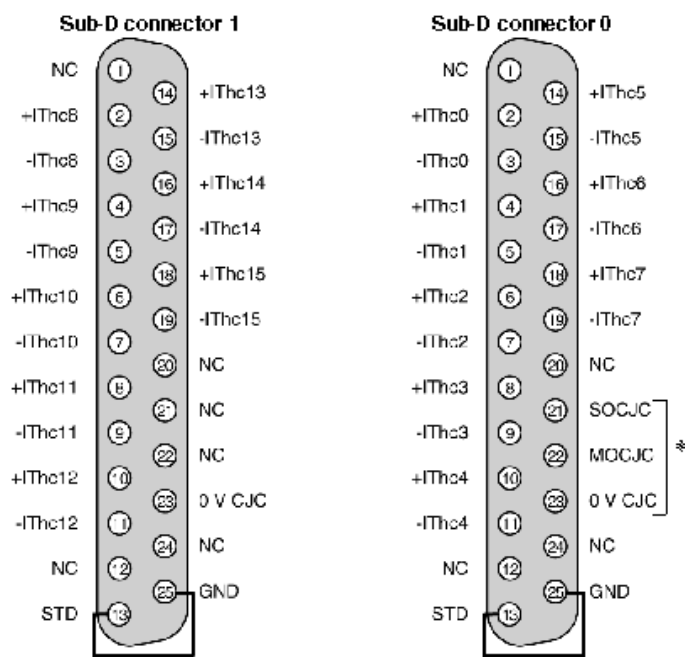


(1) With screw terminal block modules.

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

Analog Input Module (16-Channel, Voltage/Thermocouple)

Connector Pin Assignment



NC Pin not connected

+IThc x input of the thermocouple for channel x

- input of the thermocouple for channel x

IThc x

SOCJC Power supply output for internal cold junction compensation by TELEFAST

MOCJC Output for internal cold junction compensation measurement by TELEFAST

STD The strap between pins 13 and 25 enables any removal of the connector to be detected.

* For internal cold junction compensation