



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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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
Input overvoltage protection	-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
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

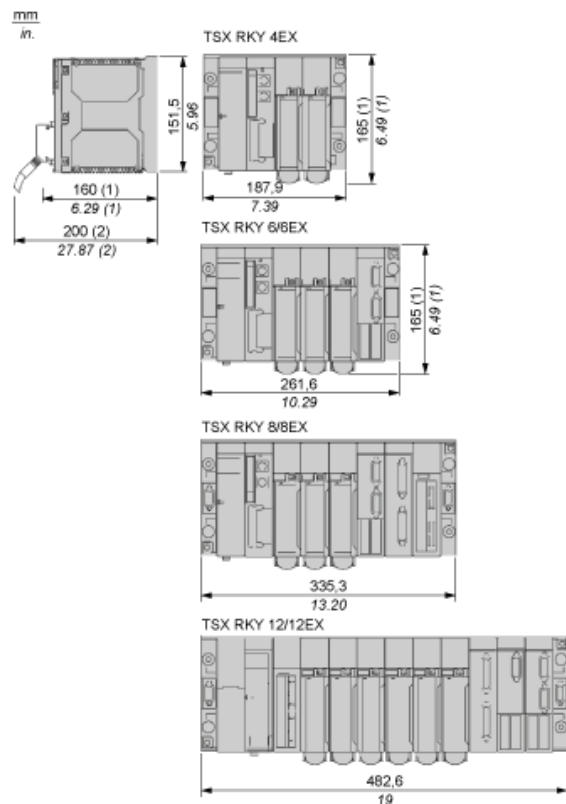
RoHS (date code: YYWW)	Compliant - since 0746 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Warranty period	18 months
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Standard and Extendable Racks for Modules Mounting

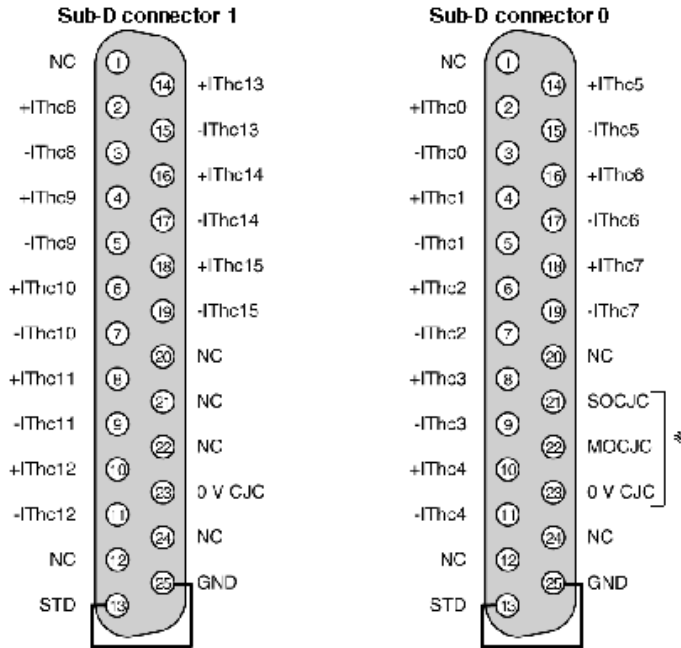
Dimensions of Modules and Racks



- (1) With screw terminal block modules.
- (2) Maximum depth for all types of modules and their associated connectors.

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

Connector Pin Assignment



- NC Pin not connected
- +IThcx + input of the thermocouple for channel x
- IThcx - input of the thermocouple for channel x
- SOCJC Power supply output for internal cold junction compensation by TELEFAST
- MOCJC Input 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

TSXAEY1614 is replaced by:



Standard environment BMXART0814

analog input module M340 - 8 inputs - temperature

Qty 1

Reason for Substitution: End of life | Substitution date: 31 December 2018 | Not same dimensions/design - less channel 8 vs.Premium 16 TC