

Product data sheet

Specifications



Discrete input module, Modicon Premium, 16 inputs, compatible with 2/3 wires proximity sensors, 0.83W, 12mA

TSXDEY16A4

⚠ Discontinued - Service only

⚠ Discontinued on: Dec 31, 2018

⚠ To be end-of-service on: Dec 31, 2026

Main

Range Of Product	Modicon Premium Automation platform
Product Or Component Type	Discrete input module
Discrete Input Number	16 capacitive isolated conforming to EN/IEC 61131-2 type 2
Discrete Input Voltage	110 V AC
Network Frequency	50/60 Hz 47...63 Hz AC
Sensor Power Supply	85...132 V
Input Compatibility	With 2-wire/3-wire proximity sensors conforming to EN/IEC 60947-5-2
Discrete Input Current	12 mA

Complementary

Voltage State 1 Guaranteed	74 V
Current State 1 Guaranteed	6 mA
Voltage State 0 Guaranteed	20 V
Current State 0 Guaranteed	4 mA
Input Impedance	9200 Ohm at state 1
Response Time	10 ms <= 20 ms
Isalotion Resistance	< 10 MOhm 500 V DC
Power Dissipation	0.83 W
Electrical Connection	Screw terminal
Marking	CE
Current Consumption	80 mA at 5 V DC
Module Format	Standard
Net Weight	0.32 kg

Environment

Dielectric Strength	1500 V AC at 50/60 Hz
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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

Standards	93/68/EEC CSA C22.2 No 213 Class I Division 2 Group C EN/IEC 61131-2 73/23/EEC CSA C22.2 No 142 89/336/EEC UL 508 CSA C22.2 No 213 Class I Division 2 Group A IEC 60664 CSA C22.2 No 213 Class I Division 2 Group B 92/31/EEC CSA C22.2 No 213 Class I Division 2 Group D
Product Certifications	DNV ABS RINA GL LR BV 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

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	5.5 cm
Package 1 Width	18.0 cm
Package 1 Length	26.0 cm
Package 1 Weight	420.0 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	8
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	3.8 kg

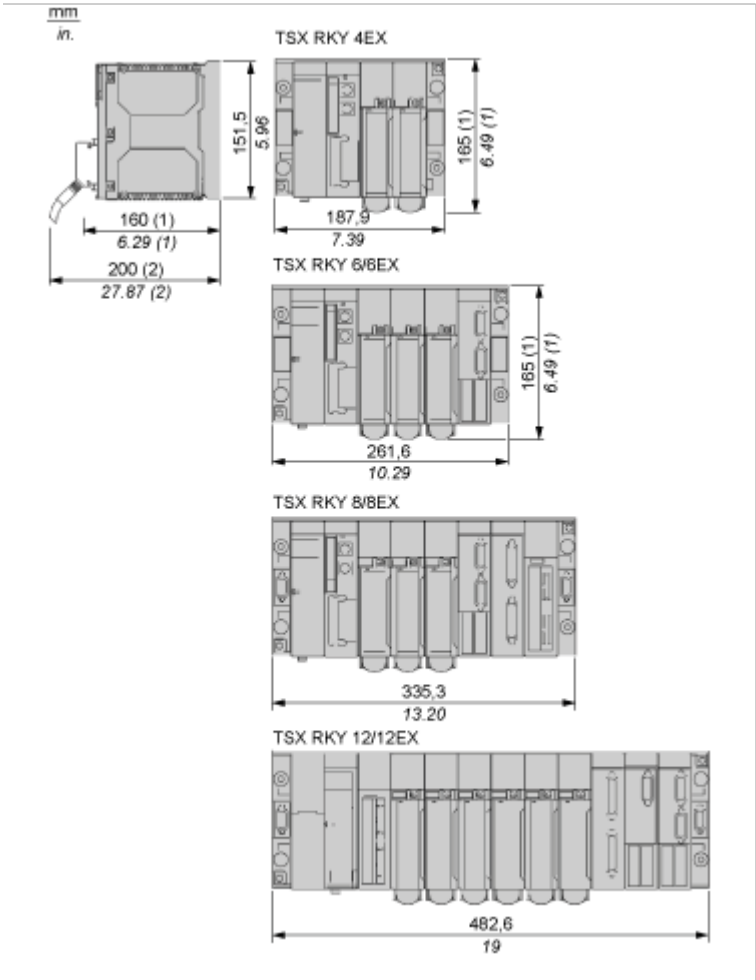
Contractual warranty

Warranty	18 months
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Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

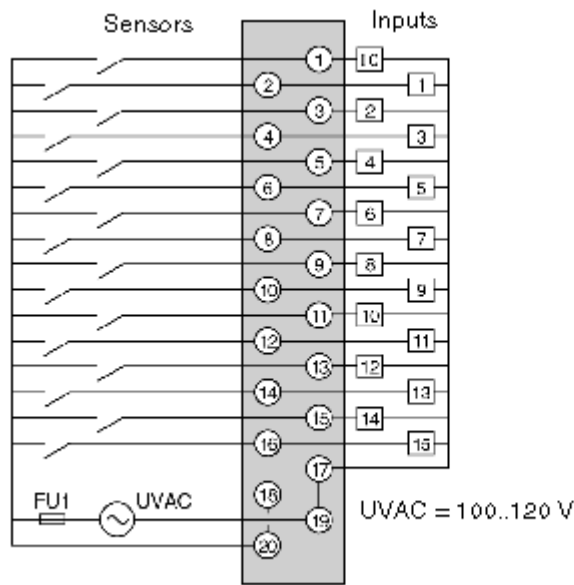


- (1) With screw terminal block modules.
- (2) Maximum depth for all types of modules and their associated connectors.

Connections and Schema

120 Vac Discrete Input 16-Channel Module

Wiring Diagram



FU1 0.5 A quick-blow fuse