

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 2, 2020

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

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range Of Product	Modicon Premium Automation platform
Product Or Component Type	Discrete input module
Discrete Input Number	16 capacitive isolated 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 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 5 V DC
Module Format	Standard
Net Weight	0.71 lb(US) (0.32 kg)

Environment

Dielectric Strength	1500 V AC 50/60 Hz
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Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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	32...140 °F (0...60 °C)
Ambient Air Temperature For Storage	-13...158 °F (-25...70 °C)
Relative Humidity	10...95 % without condensation for operation 5...95 % without condensation for storage
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	US1PC2222558
Discount Schedule	PC22
Gtin	3389110725483
Returnability	No
Country Of Origin	FR

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.17 in (5.5 cm)
Package 1 Width	7.09 in (18.0 cm)
Package 1 Length	10.24 in (26.0 cm)
Package 1 Weight	14.81 oz (420.0 g)
Unit Type Of Package 2	S03
Number Of Units In Package 2	8
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	8.38 lb(US) (3.8 kg)

Contractual warranty

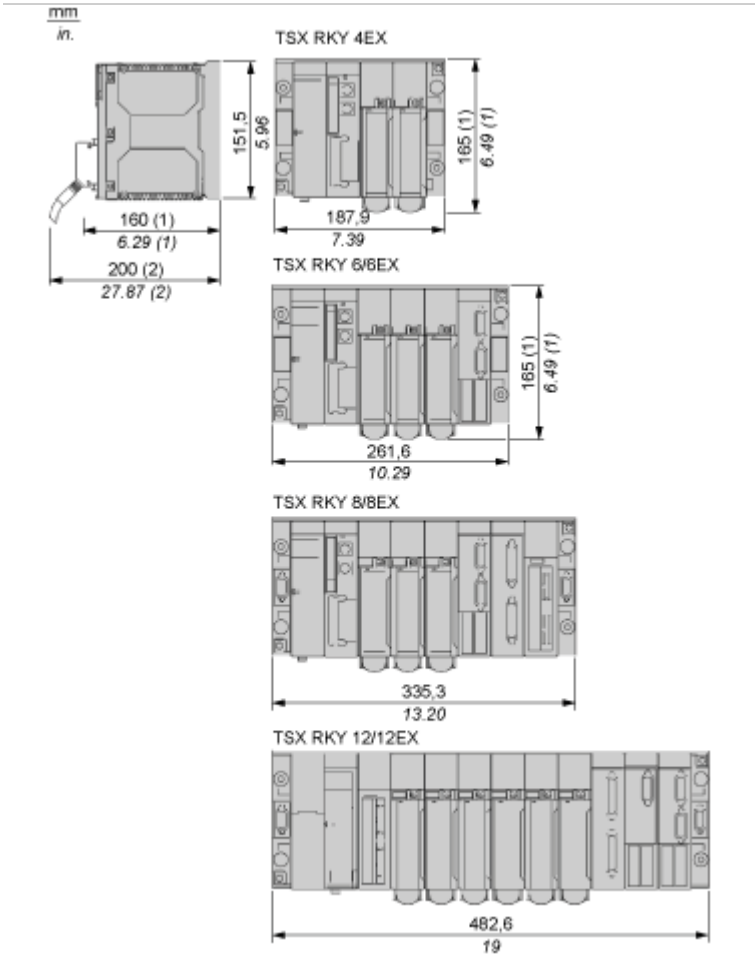
Warranty

18 months

Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

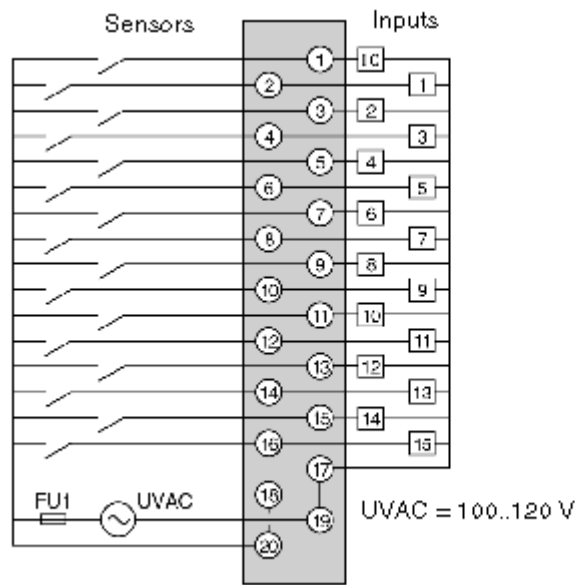


- (1) With screw terminal block modules.
- (2) Maximum depth for all types of modules and their associated connectors.

Connections and Schema

120 Vac Discrete Input 16-Channel Module

Wiring Diagram



FU1 0.5 A quick-blow fuse