

# Product data sheet

Specifications



## discrete input module Modicon Premium - 16 I 48 V AC

TSXDEY16A3

⚠ Discontinued on: Dec 2, 2020

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

⚠ Discontinued - Service only

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	48 V AC
Network Frequency	50/60 Hz 47...63 Hz AC
Sensor Power Supply	40...52 V
Input Compatibility	With 2-wire/3-wire proximity sensors EN/IEC 60947-5-2
Discrete Input Current	16 mA

### Complementary

Voltage State 1 Guaranteed	29 V
Current State 1 Guaranteed	6 mA
Voltage State 0 Guaranteed	10 V
Current State 0 Guaranteed	4 mA
Input Impedance	3200 Ohm at state 1
Response Time	10 ms <= 20 ms
Isalotion Resistance	< 10 MOhm 500 V DC
Power Dissipation	0.86 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	CSA C22.2 No 213 Class I Division 2 Group B 93/68/EEC CSA C22.2 No 213 Class I Division 2 Group C 73/23/EEC 92/31/EEC CSA C22.2 No 213 Class I Division 2 Group D EN/IEC 61131-2 UL 508 89/336/EEC IEC 60664 CSA C22.2 No 142 CSA C22.2 No 213 Class I Division 2 Group A
Product Certifications	BV RMRS GL ABS LR RINA DNV
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	3389110725476
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	15.38 oz (436.0 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	8.83 lb(US) (4.003 kg)

## Contractual warranty

Warranty

18 months

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

### California Proposition 65

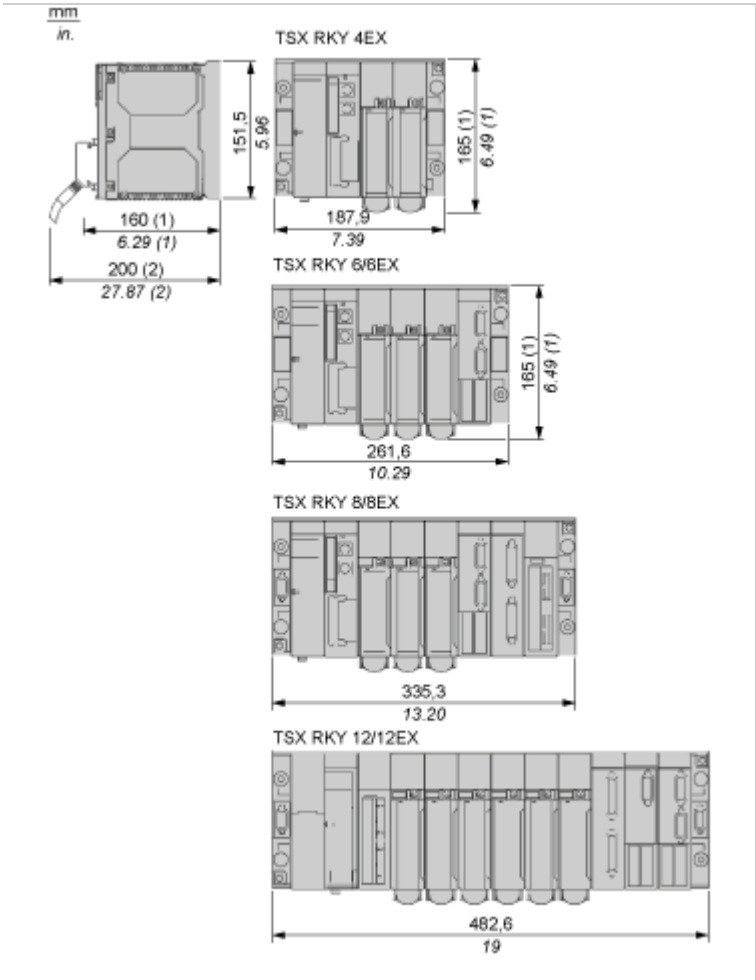
WARNING: This product can expose you to chemicals including: Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

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Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

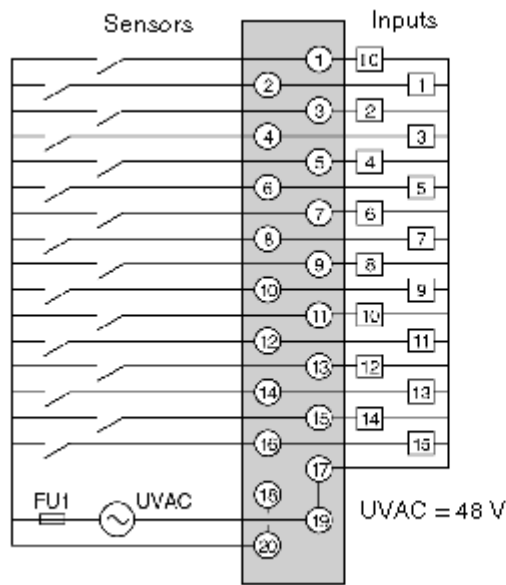


- (1) With screw terminal block modules.
- (2) Maximum depth for all types of modules and their associated connectors.

Connections and Schema

48 Vac Discrete Input 16-Channel Module

Wiring Diagram



FU1 0.5 A quick-blow fuse