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



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

① 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 4763 Hz AC	
Sensor Power Supply	4052 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

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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	32140 °F (060 °C)
Ambient Air Temperature For Storage	-13158 °F (-2570 °C)
Relative Humidity	1095 % without condensation for operation 595 % without condensation for storage
Operating Altitude	06561.68 ft (02000 m)
Protective Treatment	тс
Ip Degree Of Protection	IP20
Pollution Degree	2

Ordering and shipping details

e i i e		
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

Apr 19, 2024

18 months

Sustainability

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ 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

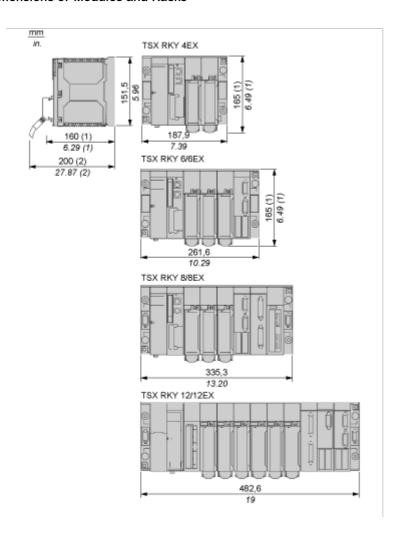
WARNING: This product can expose you to chemicals including: Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm.For more information go to www.p65warnings.ca.gov

TSXDEY16A3

Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

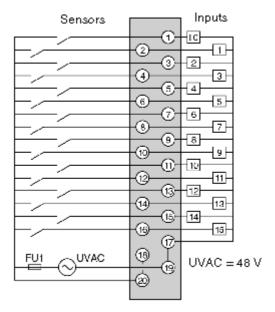


- (1) With screw terminal block modules.
- (2) Maximum depth for all types of modules and their associated connectors.

Connections and Schema

48 Vac Discrete Input 16-Channel Module

Wiring Diagram



FU1 0.5 A quick-blow fuse