

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
Product 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.

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

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.2 in (5.5 cm)
Package 1 Width	7.09 in (18.0 cm)
Package 1 Length	10.2 in (26.0 cm)
Package weight(Lbs)	15.4 oz (436.0 g)

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better

Materials and Substances	
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

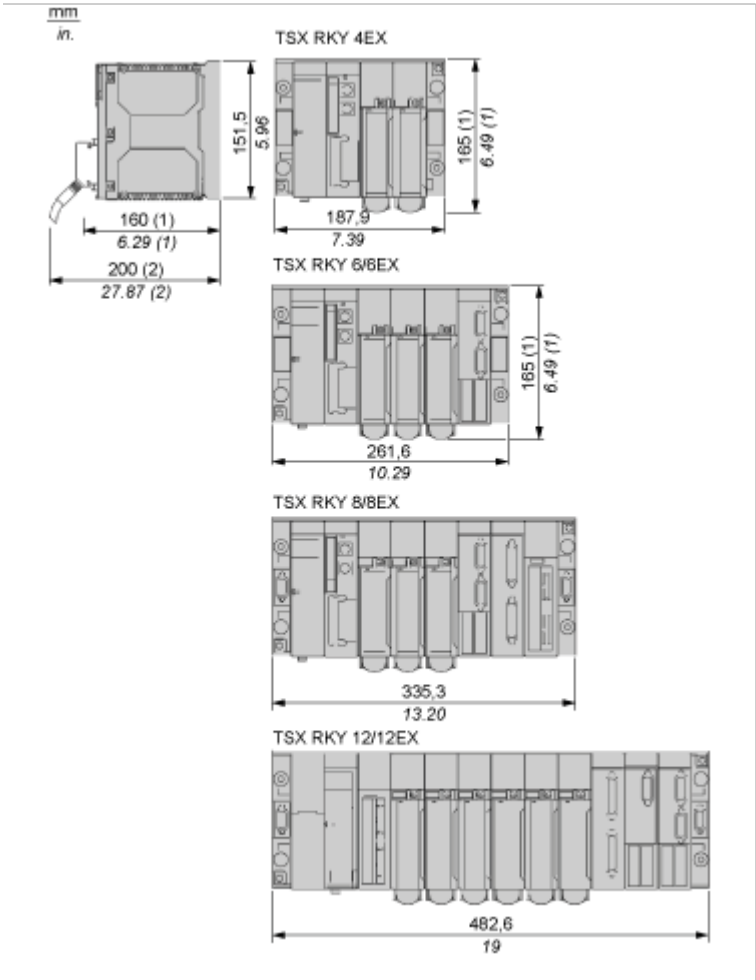
Use Longer

Lifetime extension	
Repair	No

Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

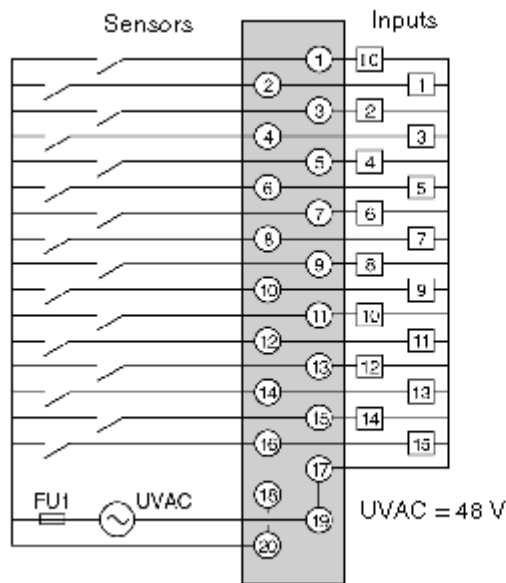


- (1) With screw terminal block modules.
- (2) Maximum depth for all types of modules and their associated connectors.

Connections and Schema

48 Vac Discrete Input 16-Channel Module

Wiring Diagram



FU1 0.5 A quick-blow fuse