

Product data sheet

Specifications



discrete input module Modicon Premium - 16 I 48 V DC

TSXDEY16D3

⚠ 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 current sink isolated EN/IEC 61131-2 type 2
Discrete input voltage	48 V DC positive
Sensor power supply	38...60 V
Input compatibility	With 2-wire/3-wire proximity sensors EN/IEC 60947-5-2
Discrete input current	7 mA

Complementary

Voltage state 1 guaranteed	≥ 30 V
Current state 1 guaranteed	≥ 6.5 mA
Voltage state 0 guaranteed	≤ 10 V
Current state 0 guaranteed	≤ 2 mA
Input impedance	7000 Ohm at state 1
Response Time	≤ 7 ms 4 ms
isalotion resistance	< 10 MOhm 500 V DC
Power dissipation	(1 W + 0.3 W x No of channels used)
Electrical Connection	Screw terminal
Marking	CE
Current consumption	135 mA 24 V DC 80 mA 5 V DC
Module format	Standard
Product Weight	0.7 lb(US) (0.3 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.

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 CSA C22.2 No 213 Class I Division 2 Group A 73/23/EEC UL 508 CSA C22.2 No 213 Class I Division 2 Group C EN/IEC 61131-2 93/68/EEC 92/31/EEC 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group D CSA C22.2 No 142 IEC 60664
Product Certifications	DNV GL RINA BV LR ABS 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	3389110725506
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)	14.7 oz (418.0 g)

Contractual warranty

Warranty (in months)	18
----------------------	----



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

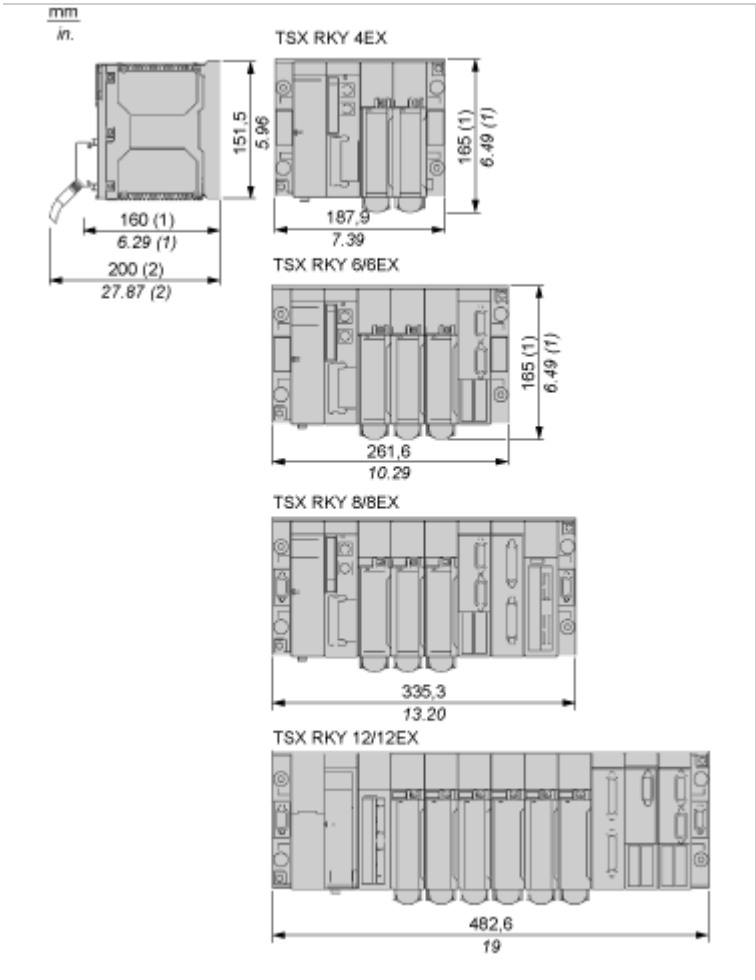
Use Longer

Lifetime extension	
Repair	No

Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

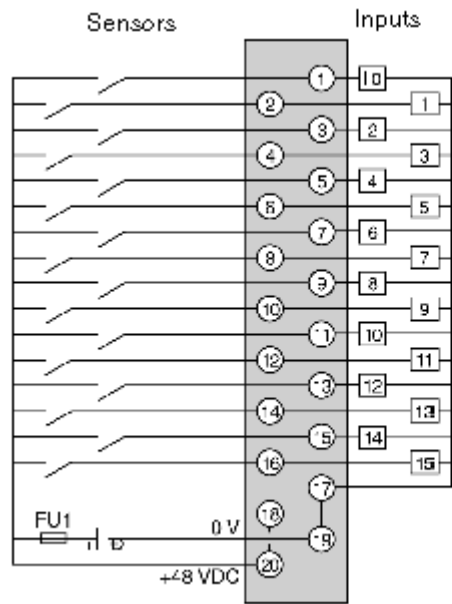


- (1) With screw terminal block modules.
- (2) Maximum depth for all types of modules and their associated connectors.

Connections and Schema

48 Vdc Discrete Input 16-Channel Module

Wiring Diagram



FU1 0.5 A quick-blow fuse