

Product datasheet

Specifications



Discrete input module, Modicon Premium, 16 inputs, compatible with 2/3 wires proximity sensors, 0.97W

TSXDEY16D2

! Discontinued - Service only

! Discontinued on: 31 Dec 2018

! To be end-of-service on: 31 Dec 2026

Main

Range of product	Modicon Premium Automation platform
Product or component type	Discrete input module
Discrete input number	16 current sink isolated conforming to EN/IEC 61131-2 type 2
Discrete input voltage	24 V DC positive
Sensor power supply	19...30 V
Input compatibility	With 2-wire/3-wire proximity sensors conforming to EN/IEC 60947-5-2
Discrete input current	7 mA

Complementary

Voltage state 1 guaranteed	>= 11 V
Current state 1 guaranteed	>= 6.5 mA
Voltage state 0 guaranteed	<= 5 V
Current state 0 guaranteed	<= 2 mA
Input impedance	4000 Ohm at state 1
Response time	4 ms <= 7 ms
isalotion resistance	< 10 MOhm 500 V DC
Power dissipation	(1 W + 0.15 W x No of channels used)
Electrical connection	Screw terminal
Marking	CE
Current consumption	135 mA at 24 V DC 80 mA at 5 V DC
Module format	Standard
Net weight	0.3 kg

Environment

Dielectric strength	1500 V AC at 50/60 Hz
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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	92/31/EEC CSA C22.2 No 213 Class I Division 2 Group B CSA C22.2 No 142 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group C EN/IEC 61131-2 73/23/EEC CSA C22.2 No 213 Class I Division 2 Group A IEC 60664 UL 508 93/68/EEC CSA C22.2 No 213 Class I Division 2 Group D
Product certifications	RMRS DNV ABS GL RINA LR BV
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-25...70 °C
Relative humidity	10...95 % without condensation for operation 5...95 % without condensation for storage
Operating altitude	0...2000 m
Protective treatment	TC
IP degree of protection	IP20
Pollution degree	2

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.5 cm
Package 1 Width	18.0 cm
Package 1 Length	26.0 cm
Package 1 Weight	416.0 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 >](#)

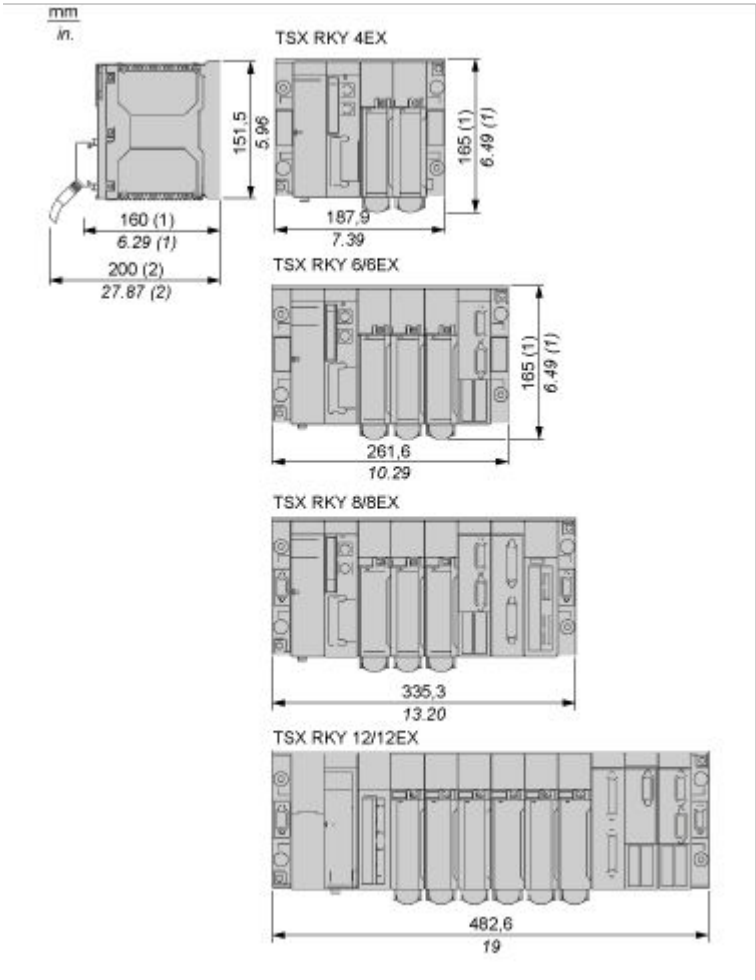
Use Longer

Lifetime extension	
Repair	No

Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

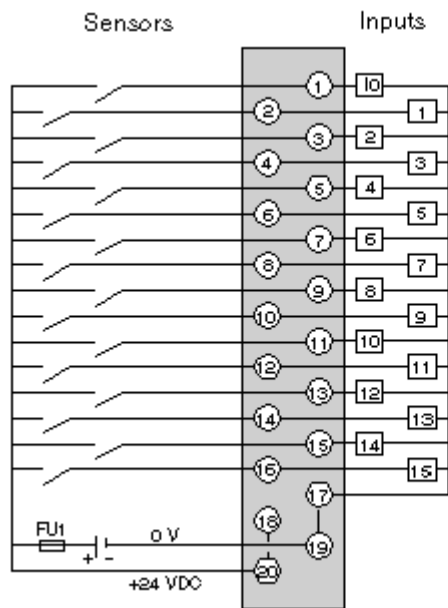


- (1) With screw terminal block modules.
- (2) Maximum depth for all types of modules and their associated connectors.

Connections and Schema

24 Vdc Discrete Input 16-Channel Module

Wiring Diagram



FU1 0.5 A quick-blow fuse