Product data sheet

Specifications



Discontinued - Service only

Discrete input module, Modicon Premium, 16 inputs, compatible with 2/3 wires proximity sensors, 1.2W

TSXDEY16FK

Discontinued on: Dec 2, 2020

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

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 fast EN/IEC 61131-2 type 1
Discrete input voltage	24 V DC positive
Sensor power supply	19…30 V
Discrete input current	3.5 mA

Complementary

Voltage state 1 guaranteed	>= 11 V
Current state 1 guaranteed	>= 3 mA
Voltage state 0 guaranteed	<= 5 V
Current state 0 guaranteed	<= 1.5 mA
Input impedance	6300 Ohm at state 1
Response Time	0.1...7.5 ms
isalotion resistance	< 10 MOhm 500 V DC
Power dissipation	(1.2 W + 0.1 W x No of channels used)
Electrical Connection	HE-10 connector
Marking	CE
Current consumption	250 mA 5 V DC 75 mA 24 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 A 92/31/EEC UL 508 EN/IEC 61131-2 CSA C22.2 No 213 Class I Division 2 Group B CSA C22.2 No 213 Class I Division 2 Group C CSA C22.2 No 213 Class I Division 2 Group D 93/68/EEC 89/336/EEC 73/23/EEC CSA C22.2 No 142 IEC 60664
Product Certifications	BV DNV ABS RINA GL LR 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	3389110725513
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)	15.3 oz (435.0 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 Longer

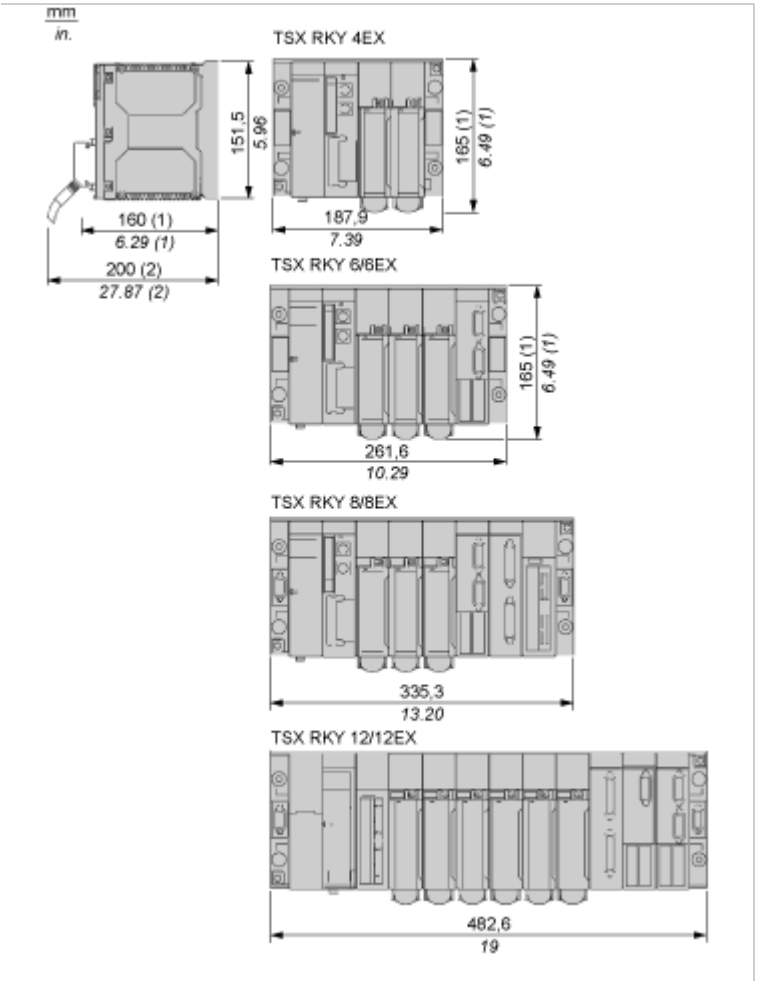
Lifetime extension

Repair	No

Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

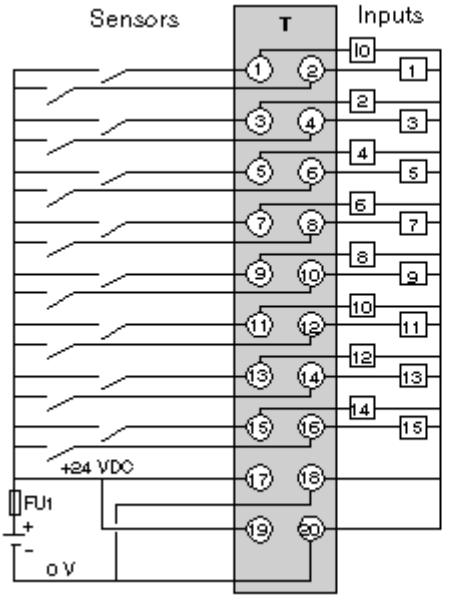


(**1**) With screw terminal block modules.
(**2**) Maximum depth for all types of modules and their associated connectors.

Connections and Schema

24 Vac Discrete Input 16-Channel Module

Wiring Diagram



FU1 0.5 A quick-blow fuse