

Product datasheet

Specifications



discrete input module Modicon Premium - 16 I 24 V DC

TSXDEY16FK

-  **Discontinued on:** 12 Oct 2023
-  **To be end-of-service on:** 31 Dec 2026

 **Discontinued**

EAN Code: 3389110725513

Main

Range of product	Modicon Premium Automation platform
product or component type	Discrete input module
Discrete input number	16 current sink isolated fast conforming to 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 at 5 V DC 75 mA at 24 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	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	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	435.0 g

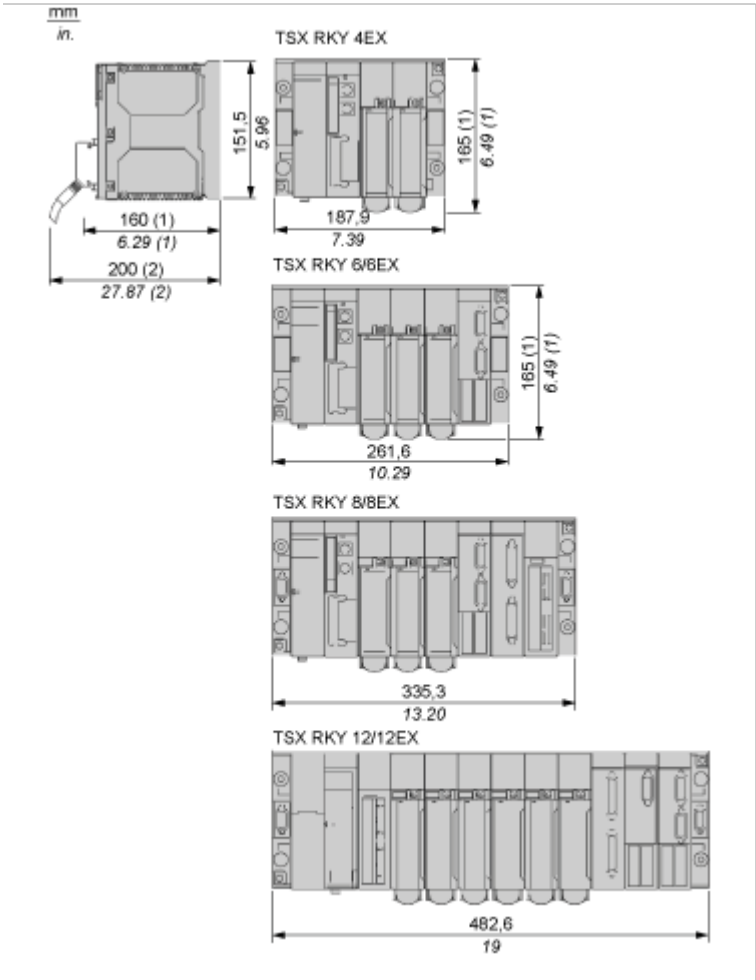
Contractual warranty

Warranty	18 months
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Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

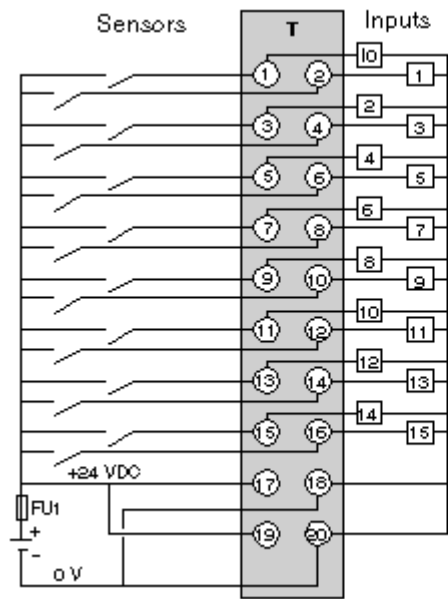


- (1) With screw terminal block modules.
(2) Maximum depth for all types of modules and their associated connectors.

Connections and Schema

24 Vac Discrete Input 16-Channel Module

Wiring Diagram



FU1 0.5 A quick-blow fuse