

Product data sheet

Specifications



discrete input module Modicon Premium - 8 I 24 V DC

TSXDEY08D2

⚠ Discontinued on: Dec 31, 2018

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

⚠ Discontinued - Service only

Main

Range Of Product	Modicon Premium Automation platform
Product Or Component Type	Discrete input module
Discrete Input Number	8 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	55 mA at 5 V DC 80 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	UL 508 CSA C22.2 No 213 Class I Division 2 Group C 73/23/EEC 89/336/EEC IEC 60664 EN/IEC 61131-2 CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 213 Class I Division 2 Group B CSA C22.2 No 213 Class I Division 2 Group D 92/31/EEC CSA C22.2 No 142 93/68/EEC
Product Certifications	LR BV RINA ABS GL DNV 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	409.0 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	8
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	3.272 kg

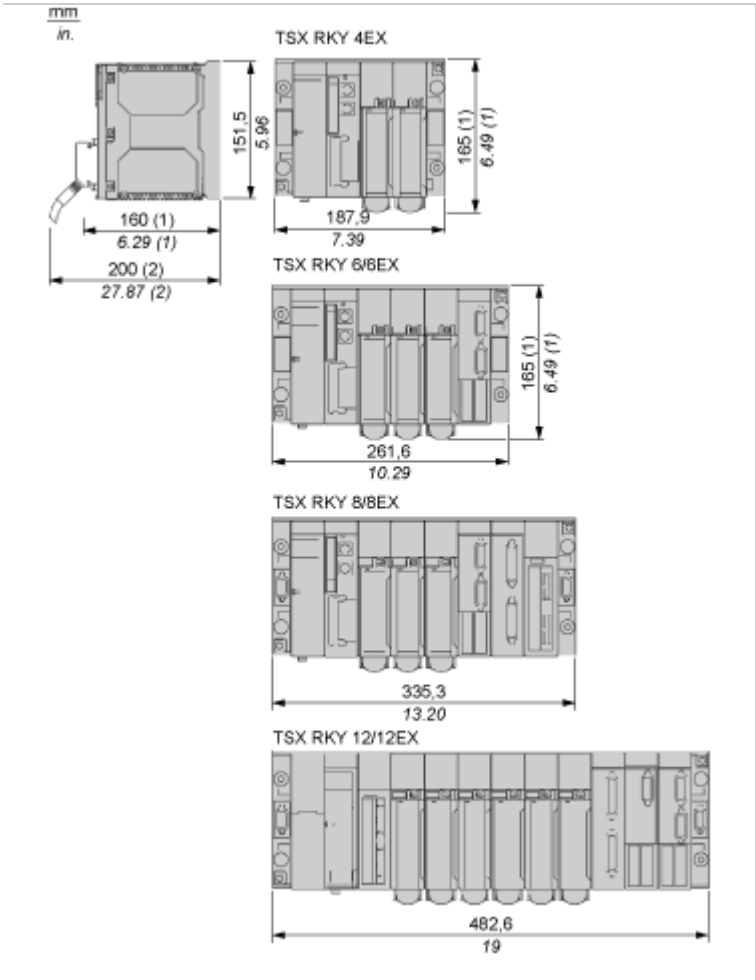
Contractual warranty

Warranty	18 months
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Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

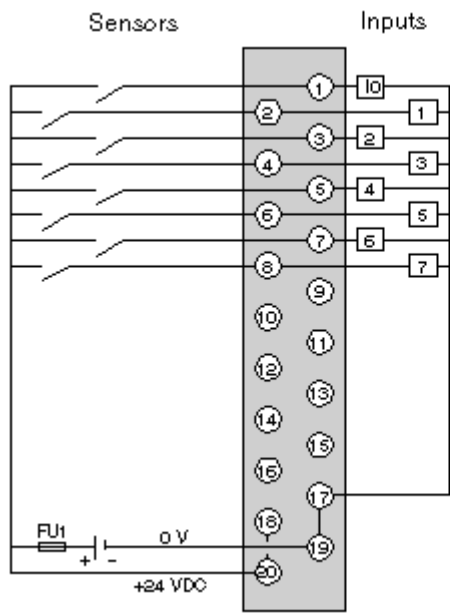


- (1) With screw terminal block modules.
(2) Maximum depth for all types of modules and their associated connectors.

Connections and Schema

24 Vdc Discrete Input 8-Channel Module

Wiring Diagram



FU1 0.5 A quick-blow fuse