Product data sheet

Specifications

Discontinued - Service only

Discrete input module, Modicon Premium, 32 inputs, compatible with 2/3 wires proximity sensors, 1W

TSXDEY32D2K

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	32 current sink isolated 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	<= 7 ms 4 ms
Isalotion Resistance	< 10 MOhm 500 V DC
Power Dissipation	(1 W + 0.1 W x No of channels used)
Electrical Connection	HE-10 connector
Marking	CE
Current Consumption	135 mA 5 V DC 160 mA 24 V DC
Module Format	Standard
Net Weight	0.66 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 IEC 60664 CSA C22.2 No 142 CSA C22.2 No 213 Class I Division 2 Group A 92/31/EEC EN/IEC 61131-2 UL 508 CSA C22.2 No 213 Class I Division 2 Group D 93/68/EEC CSA C22.2 No 213 Class I Division 2 Group C 73/23/EEC 89/336/EEC
Product Certifications	LR GL BV RMRS RINA ABS DNV
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	22558 - TSX PREMIUM, ATRIUM & PL7 PRO
Discount Schedule	PC22
Gtin	3389110725520
Returnability	No
Country Of Origin	FR

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.17 in (5.5 cm)
Package 1 Width	7.09 in (18.0 cm)
Package 1 Length	10.24 in (26.0 cm)
Package 1 Weight	14.53 oz (412.0 g)
Unit Type Of Package 2	S03
Number Of Units In Package 2	8
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	8.40 lb(US) (3.811 kg)

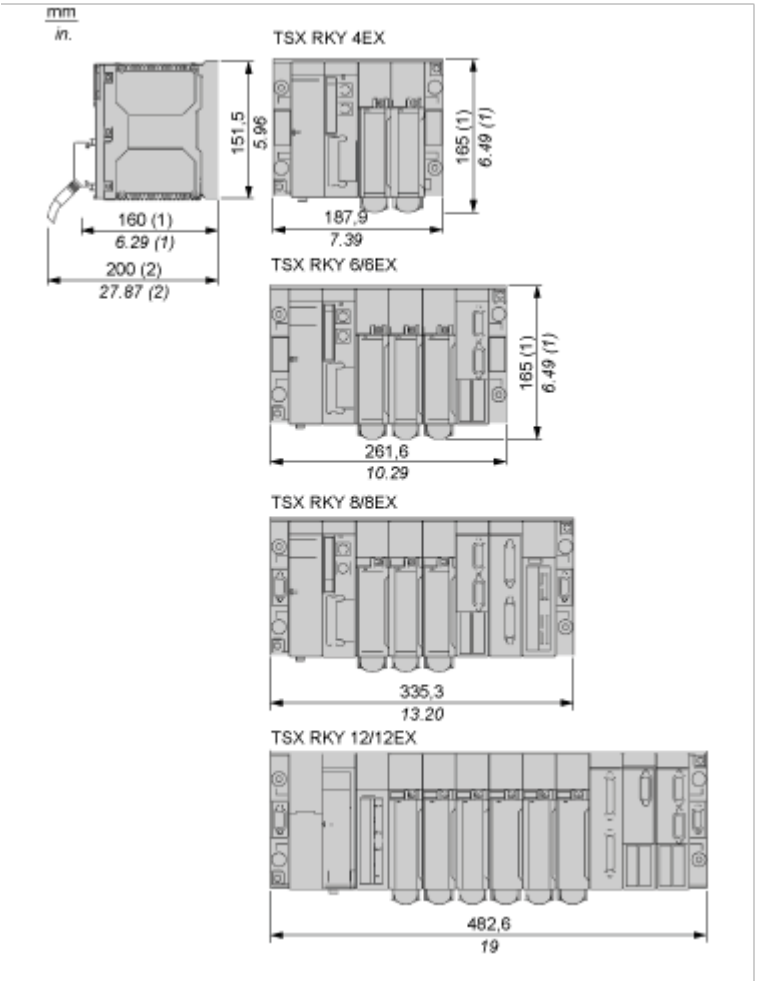
Contractual warranty

Warranty	18 months

Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

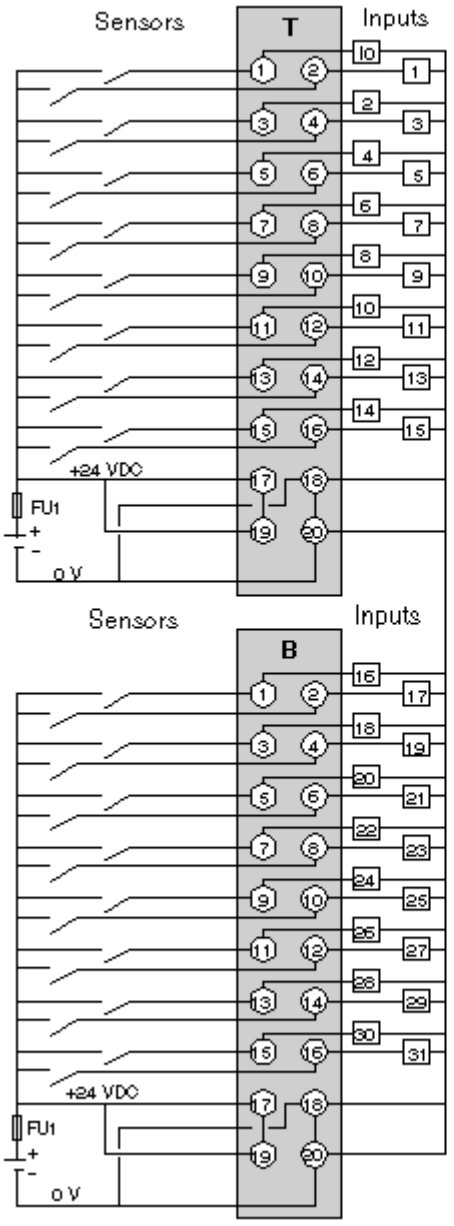


(**1**) With screw terminal block modules.
(**2**) Maximum depth for all types of modules and their associated connectors.

Connections and Schema

24 Vdc Discrete Input 32-Channel Module

Wiring Diagram



FU1 0.5 A quick-blow fuse