

Product data sheet

Specifications



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

TSXDEY16D2

⚠ Discontinued - Service only

⚠ 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 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 EN/IEC 60947-5-2
Discrete Input Current	7 mA

Complementary

Voltage State 1 Guaranteed	$\geq 11\text{ V}$
Current State 1 Guaranteed	$\geq 6.5\text{ mA}$
Voltage State 0 Guaranteed	$\leq 5\text{ V}$
Current State 0 Guaranteed	$\leq 2\text{ mA}$
Input Impedance	4000 Ohm at state 1
Response Time	4 ms $\leq 7\text{ ms}$
Isalotion Resistance	$< 10\text{ MOhm}$ 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 24 V DC 80 mA 5 V DC
Module Format	Standard
Net Weight	0.66 lb(US) (0.3 kg)

Environment

Dielectric Strength	1500 V AC 50/60 Hz
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Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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	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	3389110717402
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	14.67 oz (416.0 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	8.47 lb(US) (3.843 kg)

Contractual warranty

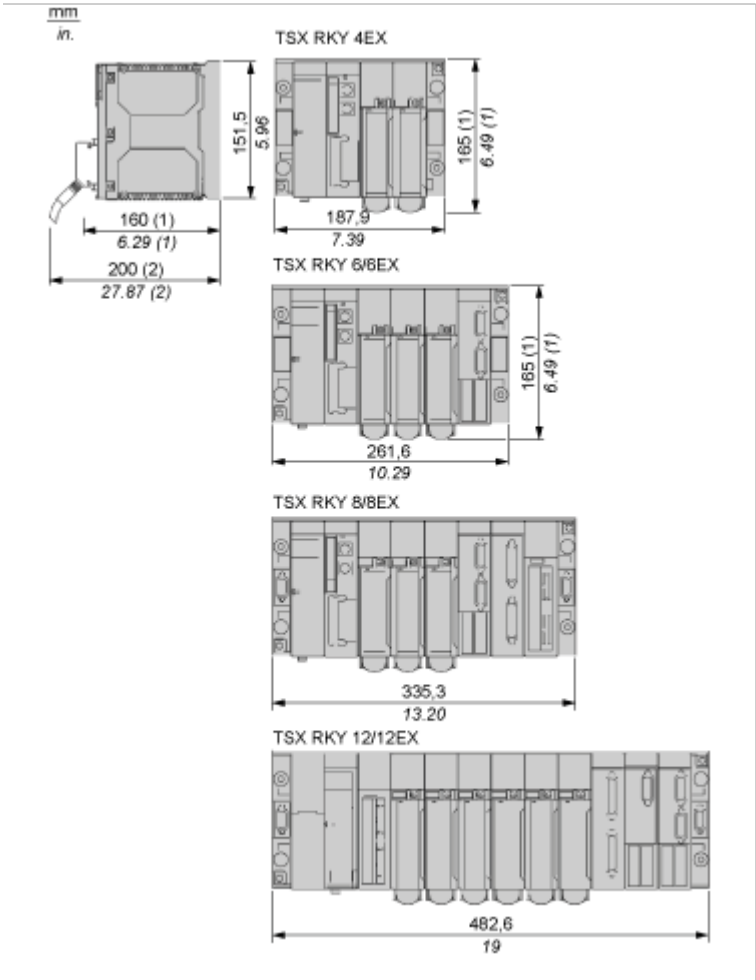
Warranty

18 months

Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

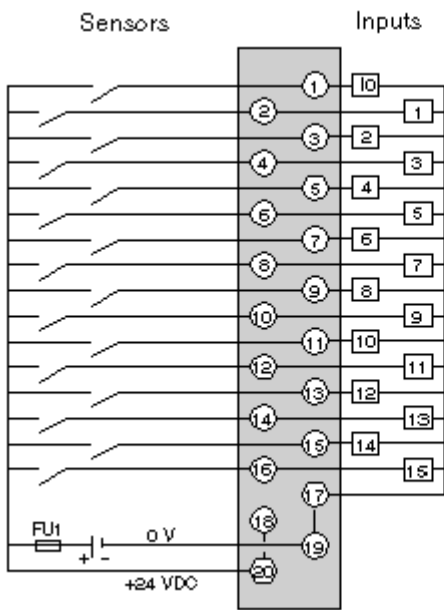


- (1) With screw terminal block modules.
- (2) Maximum depth for all types of modules and their associated connectors.

Connections and Schema

24 Vdc Discrete Input 16-Channel Module

Wiring Diagram



FU1 0.5 A quick-blow fuse