

Product data sheet

Specifications



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

TSXDEY16D2

⚠ Discontinued on: Dec 2, 2020

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

⚠ Discontinued - Service only

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	≥ 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
Isolation 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	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)

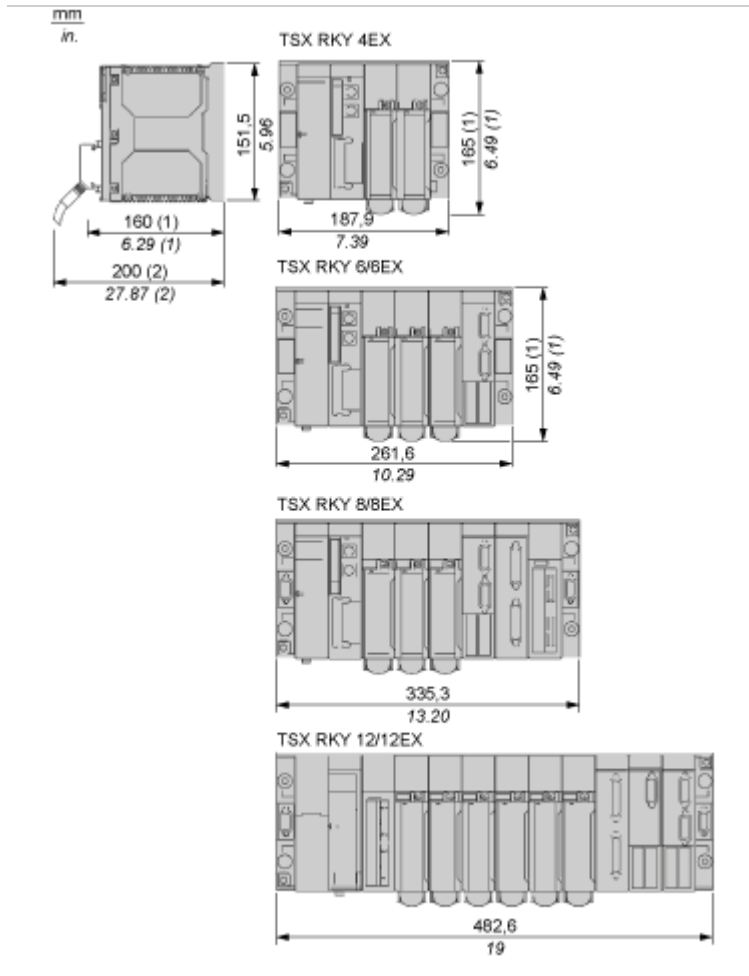
Contractual warranty

Warranty	18 months
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Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks



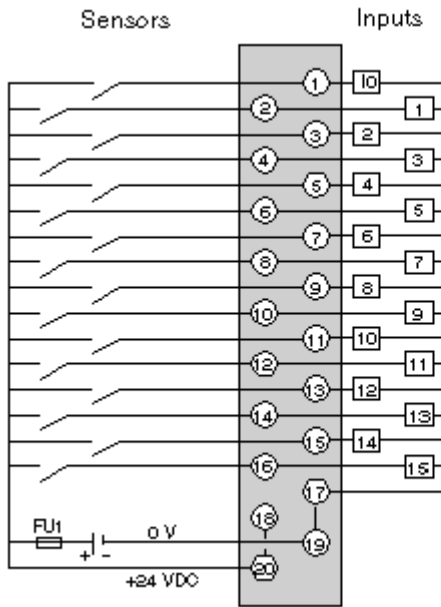
(1) With screw terminal block modules.

(2) Maximum depth for all types of modules and their associated connectors.

Connections and Schema

24 Vdc Discrete Input 16-Channel Module

Wiring Diagram



FU1 0.5 A quick-blow fuse