

Product data sheet

Specifications



discrete input module Modicon Premium - 8 I 24 V DC

TSXDEY08D2

⚠ 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	8 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	55 mA 5 V DC 80 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
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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	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	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	US1PC2222558
Discount Schedule	PC22
Gtin	3389110725452
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	14.43 oz (409.0 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	7.21 lb(US) (3.272 kg)

Contractual warranty

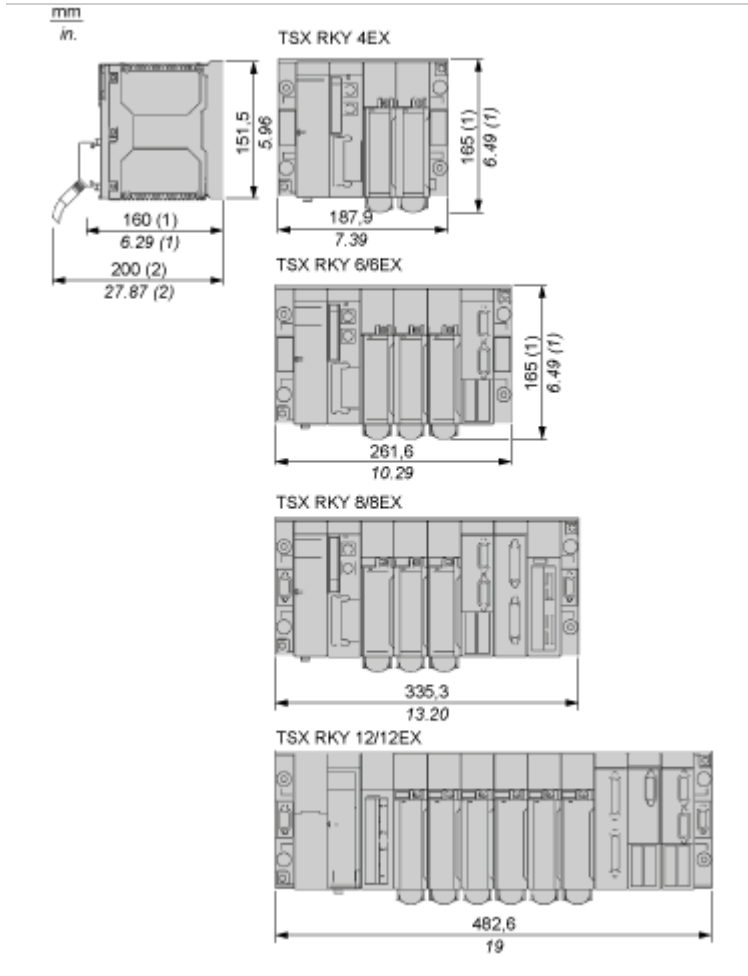
Warranty

18 months

Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks



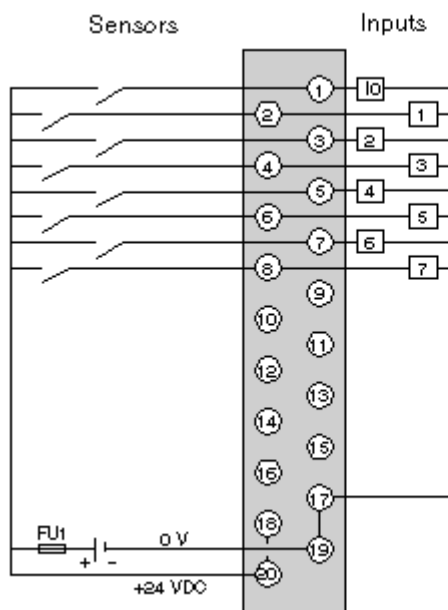
(1) With screw terminal block modules.

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

Connections and Schema

24 Vdc Discrete Input 8-Channel Module

Wiring Diagram



FU1 0.5 A quick-blow fuse