

# Product data sheet

Specifications



## discrete input module -16 resistive isolated - 24 V DC - 15 mA

TSXDEY16D2C

⚠ Discontinued on: Dec 31, 2017

⚠ To be end-of-service on: Dec 31, 2025

⚠ Discontinued - Service only

### Main

Range Of Product	Modicon Premium Automation platform
Product Or Component Type	Discrete input module
Discrete Input Number	16 resistive isolated conforming to EN/IEC 61131-2 type 2 16 resistive isolated
Discrete Input Voltage	24 V DC negative 24 V AC
Network Frequency	50/60 Hz 47...63 Hz AC
Sensor Power Supply	19...30 V DC 20...26 V AC
Input Compatibility	With 2-wire/3-wire proximity sensors conforming to EN/IEC 60947-5-2
Discrete Input Current	15 mA AC 16 mA DC

### Complementary

Voltage State 1 Guaranteed	<= 10 V DC 10 V AC
Current State 1 Guaranteed	>= 6.5 mA DC 6 mA AC
Voltage State 0 Guaranteed	>= 19 V DC 5 V AC
Current State 0 Guaranteed	<= 2 mA DC 4 mA AC
Input Impedance	1600 Ohm at state 1
Response Time	4 ms <= 7 ms
Isalotion Resistance	< 10 MOhm 500 V DC
Power Dissipation	(1 W + 0.4 W x No of channels used) DC 0.89 W AC
Electrical Connection	Screw terminal
Marking	CE
Current Consumption	135 mA at 24 V DC
Module Format	Standard
Net Weight	0.31 kg

### Environment

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

Dielectric Strength	1500 V AC at 50/60 Hz
Standards	93/68/EEC 73/23/EEC CSA C22.2 No 213 Class I Division 2 Group D EN/IEC 61131-2 89/336/EEC 92/31/EEC CSA C22.2 No 142 IEC 60664 UL 508 CSA C22.2 No 213 Class I Division 2 Group B CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 213 Class I Division 2 Group C
Product Certifications	LR BV RINA ABS RMRS DNV GL
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	Conformal coating Humiseal 1A33 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	25.5 cm
Package 1 Weight	438.0 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	4
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	2.178 kg

## Contractual warranty

Warranty	18 months
----------	-----------

# Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

## California Proposition 65

WARNING: This product can expose you to chemicals including: Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

---

Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

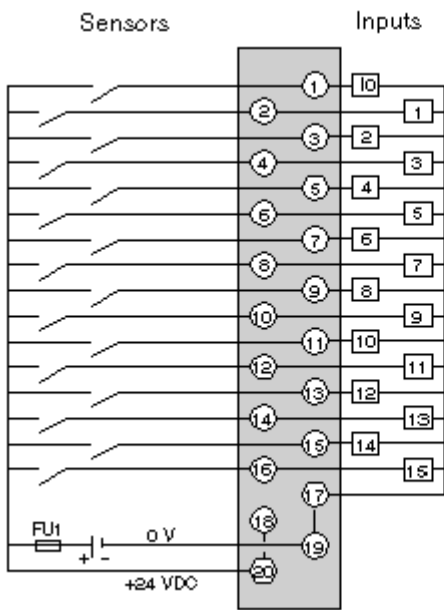


- (1) With screw terminal block modules.
- (2) Maximum depth for all types of modules and their associated connectors.

Connections and Schema

24 Vdc Discrete Input 16-Channel Module

Wiring Diagram



FU1 0.5 A quick-blow fuse