

# TSXDEY16A5

Discrete input module, Modicon Premium, 16 inputs, compatible with 2/3 wires proximity sensors, 0.83W, 15mA



## Main

Range of Product	Modicon Premium Automation platform
Product or Component Type	Discrete input module
Discrete input number	16 capacitive isolated EN/IEC 61131-2 type 2
Discrete input voltage	220 V AC
Network frequency	50/60 Hz 47...63 Hz AC
Sensor power supply	170...264 V
Input compatibility	With 2-wire/3-wire proximity sensors EN/IEC 60947-5-2
Discrete input current	15 mA

## Complementary

Voltage state 1 guaranteed	159 V
Current state 1 guaranteed	6 mA
Voltage state 0 guaranteed	40 V
Current state 0 guaranteed	4 mA
Input impedance	20000 Ohm at state 1
Response Time	<= 20 ms 10 ms
Isolation resistance	< 10 MOhm 500 V DC
Power dissipation	0.97 W
Electrical Connection	Screw terminal
Marking	CE
Current consumption	80 mA 5 V DC
Module format	Standard
Net Weight	0.79 lb(US) (0.36 kg)

## Environment

Dielectric strength	1500 V AC 50/60 Hz
Standards	92/31/EEC 73/23/EEC CSA C22.2 No 213 Class I Division 2 Group A 93/68/EEC EN/IEC 61131-2 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group B CSA C22.2 No 213 Class I Division 2 Group D IEC 60664 UL 508 CSA C22.2 No 213 Class I Division 2 Group C CSA C22.2 No 142
Product Certifications	GL[RETURN]RINA[RETURN]RMRS[RETURN]ABS[RETURN]BV[RETURN]DNV[RETURN]RSB[RETURN]TÜV
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

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

IP Degree of Protection	IP20
Pollution degree	2

### Ordering and shipping details

Category	22558-TSX PREMIUM, ATRIUM & PL7 PRO
Discount Schedule	PC22
GTIN	3389110725490
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	15.94 oz (452.0 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	7.97 lb(US) (3.616 kg)

### Offer 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 <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>
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### Contractual warranty

Warranty	18 months
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Standard and Extendable Racks for Modules Mounting

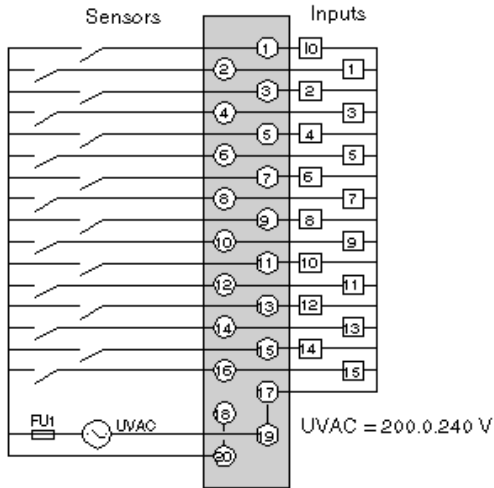
Dimensions of Modules and Racks



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

## 200...240 Vac Discrete Input 16-Channel Module

### Wiring Diagram



FU1 0.5 A quick-blow fuse