Product data sheet

Specifications

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

TSXDEY16A5

⚠ **Discontinued - Service only**

⚠ Discontinued on: Dec 31, 2018

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

Main

Range Of Product	Modicon Premium Automation platform
Product Or Component Type	Discrete input module
Discrete Input Number	16 capacitive isolated conforming to 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 conforming to 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
Isalotion Resistance	< 10 MOhm 500 V DC
Power Dissipation	0.97 W
Electrical Connection	Screw terminal
Marking	CE
Current Consumption	80 mA at 5 V DC
Module Format	Standard
Net Weight	0.36 kg

Environment

Dielectric Strength	1500 V AC at 50/60 Hz

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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
	RINA
	RMRS
	ABS
	BV
	DNV
	LR
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	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	26.0 cm
Package 1 Weight	452.0 g

Contractual warranty

Warranty	18 months

Sustainability

Green Premium^{TM} 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_2 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

Dimensions Drawings

Standard and Extendable Racks for Modules Mounting
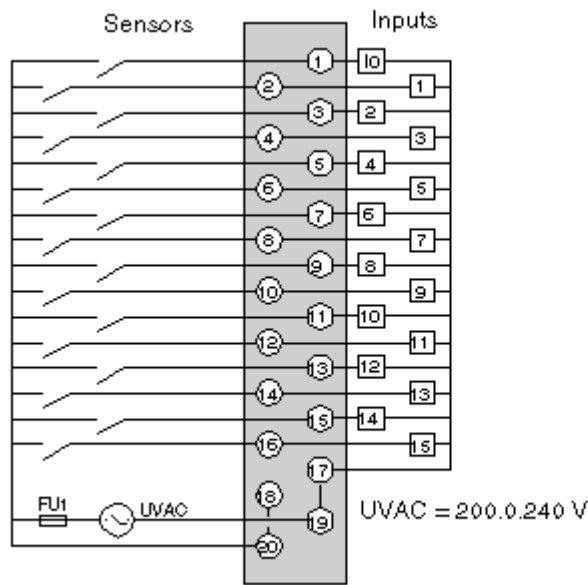
Dimensions of Modules and Racks

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

Connections and Schema

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

Wiring Diagram

FU1   0.5 A quick-blow fuse