



Commercial status

Discontinued on: 31 December 2018

To be end-of-service on: 31 December 2026

ⓘ Restricted Sales for Services

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	15 ms <= 20 ms
Isolation 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	80 mA at 5 V DC
Module format	Standard
Net weight	0.31 kg

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

Environment

Dielectric strength	1500 V AC at 50/60 Hz
Standards	CSA C22.2 No 213 Class I Division 2 Group B 93/68/EEC CSA C22.2 No 142 73/23/EEC EN/IEC 61131-2 IEC 60664 89/336/EEC UL 508 CSA C22.2 No 213 Class I Division 2 Group D 92/31/EEC CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 213 Class I Division 2 Group C
Product certifications	RINA DNV BV LR GL RMRS ABS
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 Weight	436 g
Package 1 Height	5.5 cm
Package 1 width	18 cm
Package 1 Length	26 cm

Contractual warranty

Warranty	18 months
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TSXDEY16A2 is replaced by:



Standard environment BMXDAI1602

discrete input module X80 - 16 inputs - 24V AC/DC positive or negative

Qty 1

Reason for Substitution: End of life | Substitution date: 30 September 2019 | This is not interchangeable but an equivalent functional product in the Modicon M580/X80 range. Please contact technical support about your migration options.