



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
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
Product weight	0.36 kg

Environment

Dielectric strength	1500 V AC at 50/60 Hz
Standards	73/23/EEC 89/336/EEC 92/31/EEC 93/68/EEC CSA C22.2 No 142 EN/IEC 61131-2

IEC 60664
UL 508
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 C
CSA C22.2 No 213 Class I Division 2 Group D

Product certifications	ABS BV DNV GL LR RINA RMRS
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

Offer Sustainability

RoHS (date code: YYWW)	Compliant Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Warranty period	18 months
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TSXDEY16A5 is replaced by:



Standard environment BMXDAI0805

discrete input module X80 - 8 inputs - 200...240 V AC

Qty 1

Reason for Substitution: End of life | Substitution date: 31 December 2018 | Not same dimensions/design - less 220VAC channel 8 vs. Premium 16 input