



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	48 V AC
Network frequency	50/60 Hz 47...63 Hz AC
Sensor power supply	40...52 V
Input compatibility	With 2-wire/3-wire proximity sensors conforming to EN/IEC 60947-5-2
Discrete input current	16 mA

Complementary

Voltage state 1 guaranteed	29 V
Current state 1 guaranteed	6 mA
Voltage state 0 guaranteed	10 V
Current state 0 guaranteed	4 mA
Input impedance	3200 Ohm at state 1
Response time	<= 20 ms 10 ms
Isolation resistance	< 10 MOhm 500 V DC
Power dissipation	0.86 W
Electrical connection	Screw terminal
Marking	CE
Current consumption	80 mA 5 V DC
Module format	Standard
Product weight	0.32 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	Conformal coating Humiseal 1A33 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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TSXDEY16A2C is replaced by:



Harsh environment BMXDAI1602H

discrete input module X80 - 16 inputs - 24V AC resistive

Qty 1

Reason for Substitution: End of life | Substitution date: 31 December 2017 | Not same dimensions/design