Product datasheet
Characteristics

TSXDEY16D2

discrete input module Modicon Premium - 16 I 24 V DC

Main

Range of product	Modicon Premium Automation platform
Product or component type	Discrete input module
Discrete input number	16 current sink isolated conforming to EN/IEC 61131-2 type 2
Discrete input voltage	24 V DC positive
Sensor power supply	19...30 V
Input compatibility	With 2-wire/3-wire proximity sensors conforming to EN/IEC 60947-5-2
Discrete input current	7 mA

Complementary

Voltage state1 guaranteed	>= 11 V
Current state 1 guaranteed	>= 6.5 mA
Voltage state 0 guaranteed	<= 5 V
Current state 0 guaranteed	<= 2 mA
Input impedance	4000 Ohm at state 1
Response time	<= 7 ms 4 ms
Insulation resistance	< 10 MOhm 500 V DC
Power dissipation	(1 W + 0.15 W x No of channels used)
Electrical connection	Screw terminal
Marking	CE
Current consumption	135 mA 24 V DC 80 mA 5 V DC
Module format	Standard
Product weight	0.3 kg

Environment

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

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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

Sustainable offer status	Not Green Premium product
RoHS	Compliant - since 0829 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold