

TSXDMY28FK

discrete I/O module Modicon Premium - 16 I 24 V
DC - 12 O solid state



Main

Range of product	Modicon Premium Automation platform
Product or component type	Discrete I/O modules
Discrete I/O number	28
Discrete input number	16 current sink fast input - conforming to IEC 1131-2 Type 1
Input logic	Positive
Input voltage	24 V 3.5 mA DC

Complementary

Voltage state 1 guaranteed	≥ 11 V
Current state 1 guaranteed	≥ 3 mA
Voltage state 0 guaranteed	≤ 5 V
Current state 0 guaranteed	≤ 1.5 mA
Sensor power supply	19...30 V
Filter time	0.1 to 7.5 ms by configuration 4 ms by default
Paralleling of inputs	Yes
Input compatibility	2-wire/3-wire proximity sensor
Insulation resistance	> 10 MOhm 500 V DC
Power dissipation	1.2 W + 0.1 x number of input at 1
Discrete output number	12
Tungsten load	6 W solid state output
Output voltage	24 V 0.5 A
Discrete output type	Solid state
Output voltage limits	19...30 V
Output current limits	4 A by module 0.5 A by channel
Leakage current	< 1 mA at state 0
[Ures] residual voltage	< 1.2 V at state 1
Load impedance	≥ 48 W
Response time on output	0.6 ms
Switching frequency	0.5/LI ² Hz
Output overvoltage protection	By transil diode
Reverse polarity protection	Reversed diode
Preactuator voltage detection threshold	16 V
Electrical connection	2 connectors HE-10
Current consumption	300 mA 5 V DC 75 mA 24 V DC
Module format	Standard
Product weight	0.32 kg

Environment

Dielectric strength	1500 V 50/60 Hz for 1 minute
Derating factor	60 % of inputs at state 1 at 60 °C fast input 60 % of the maximum current of the module at 60 °C solid state output
Ambient air temperature for operation	0...60 °C

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Ambient air temperature for storage	-25...70 °C
Relative humidity	5...95 % without condensation
Operating altitude	<= 2000 m

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS	Compliant - since 0850 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold