

Product availability : Non-Stock - Not normally stocked in distribution facility



Commercial status

Discontinued on: 02 December 2020

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 I/O modules
Discrete I/O number	28
Discrete input number	16 current sink fast input 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
Maximum 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
Maximum output current	4 A by module 0.5 A by channel
Maximum leakage current	1 mA at state 0
[Ures] residual voltage	1.2 V at state 1
Minimum load impedance	48 W
Response time on output	0.6 ms
Switching frequency	0.5/LI ² Hz

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

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
Net Weight	0.71 lb(US) (0.32 kg)

Environment

Dielectric strength	1500 V 50/60 Hz for 1 minute
Derating factor	60 % of inputs at state 1 140 °F (60 °C) fast input 60 % of the maximum current of the module 140 °F (60 °C) solid state output
Ambient air temperature for operation	32...140 °F (0...60 °C)
Ambient air temperature for storage	-13...158 °F (-25...70 °C)
Relative humidity	5...95 % without condensation
Operating altitude	<= 6561.68 ft (2000 m)

Ordering and shipping details

Category	22558 - TSX PREMIUM, ATRIUM & PL7 PRO
Discount Schedule	PC22
GTIN	00785901896401
Nbr. of units in pkg.	1
Package weight(Lbs)	2.21 lb(US) (1.00 kg)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.17 in (5.5 cm)
Package 1 width	7.09 in (18 cm)
Package 1 Length	10.24 in (26 cm)

Contractual warranty

Warranty	18 months
----------	-----------

TSXDMY28FK is replaced by:



Standard environment BMXDDM16022

discrete I/O module X80 - 8 inputs - 24 V DC - 8 outputs - solid state

Qty 1

Reason for Substitution: End of life | Substitution date: 31 December 2018