Product data sheet

Specifications

Discrete solid state I/O base DC, Modicon TSX Micro, 16 inputs, 2/3 wire proximity sensors, TBLK

TSXDMZ28DT

⚠ **Discontinued on:** Dec 2, 2020

⚠ **To be end-of-service on:** Dec 31, 2027

⚠ **Discontinued - Service only**

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

Main

Range Of Product	Modicon TSX Micro automation platform
Product Or Component Type	Discrete solid state I/O base DC
Discrete Input Number	16 1 HE-10 connector
Discrete Input Voltage	24 V DC positive
Discrete Input Current	7 mA
Discrete Input Type	Resistive
Discrete Output Number	12 screw terminal block
Discrete Output Voltage	24 V DC
Discrete Output Current	0.5 mA
Discrete Output Logic	Positive

Complementary

Input Voltage Limits	>= 11 V at state 1 < 5 V at state 0
Current State 0 Guaranteed	<= 1.5 mA
Current State 1 Guaranteed	>= 2.5 mA
Input Impedance	3.4 Ohm
Response Time	<= 0.5 ms from state 1 to state 0 output <= 0.5 ms from state 0 to state 1 output 0.1...7.5 ms from state 1 to state 0 input 0.1...7.5 ms from state 0 to state 1 input
Input Compatibility	2-wire/3-wire proximity sensor
Current Consumption	132 mA
Power Dissipation In W	3.5 W by module output 0.15 W by channel output 5 W input
Output Voltage Limits	19...30 V
Output Current Limits	0.625 A
Maximum Leakage Current	0.5 mA at state 0
[Ures] Residual Voltage	0.3 V
Load Impedance Ohmic	48 Ohm

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Switching Frequency	< 0.6/LI² Hz
Output Overvoltage Protection	By zener diode
Output Short-Circuit Protection	By current limiter and electronic circuit breaker
Reverse Polarity Protection	Reverse diode on power supply
Paralleling Of Outputs	Yes : 2 maximum
Isolation Voltage	1500 V 1 s
Net Weight	0.94 lb(US) (0.425 kg)

Environment

Standards	IEC 1131-2 Type 1

Ordering and shipping details

Category	22556 - TSX MICRO, PL7 MICRO & ACCESS
Discount Schedule	PC14
Gtin	3389110540451
Returnability	No
Country Of Origin	FR

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.17 in (5.5 cm)
Package 1 Width	7.09 in (18.0 cm)
Package 1 Length	10.24 in (26.0 cm)
Package 1 Weight	18.84 oz (534.0 g)
Unit Type Of Package 2	S03
Number Of Units In Package 2	8
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	9.42 lb(US) (4.272 kg)

Contractual warranty

Warranty	18 months

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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.
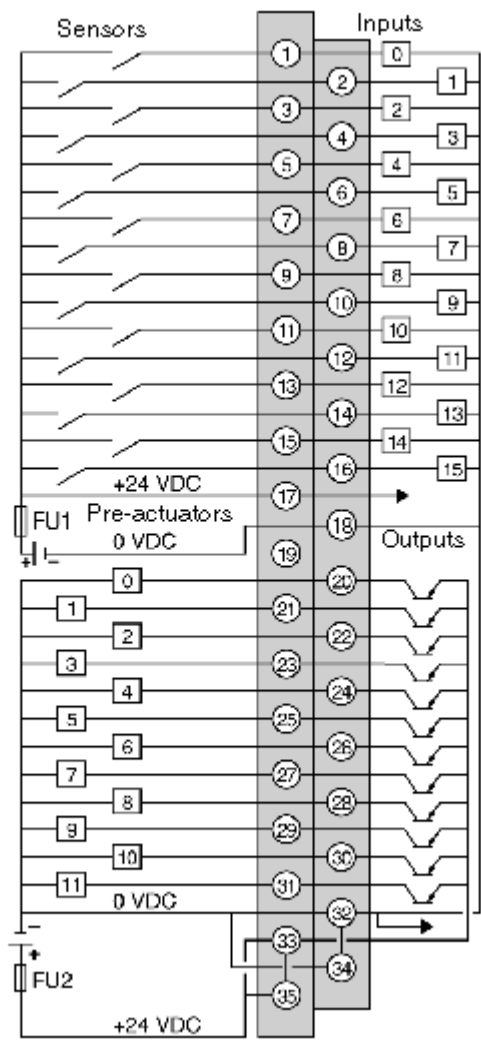
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Guide to assess a product's sustainability >

Eu Rohs Directive	Not applicable, out of EU RoHS legal scope
China Rohs Regulation	China RoHS declaration
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds which is known to the State of California to cause Carcinogen & Reproductive harm. For more information go to www.p65warnings.ca.gov

Connections and Schema

Sensors/Inputs and pre-Actuators/Outputs Connections

Wiring Diagram

FU1 = 0.5A fuse with rapid fusion.
FU2 = 6.3A fuse with rapid fusion.