

# Product data sheet

Specifications



## TSX Micro - 64 I/O solid state

TSXDMZ64DTK

! Discontinued on: 31 December 2019

! To be end-of-service on: 31 December 2027

! Discontinued - Service only

### Main

Range of product	Modicon TSX Micro automation platform
Product or component type	Discrete solid state I/O base DC
Discrete input number	32 1 HE-10 connector
Discrete input voltage	24 V DC, discrete input logic: positive
Discrete input current	3.5 mA
Discrete input type	Current sink
Discrete output number	32 1 HE-10 connector
Discrete output voltage	24 V DC
Discrete output current	0.1 mA
Discrete output logic	Positive

### Complementary

Input voltage limits	$\geq 11$ V at state 1 $< 5$ V at state 0
Current state 0 guaranteed	$\leq 1.5$ mA
Current state 1 guaranteed	$\geq 2.5$ mA
Input impedance	6.3 Ohm
Response time	0.1...7.5 ms from state 1 to state 0 input 0.1...7.5 ms from state 0 to state 1 input $< 2.5$ ms from state 1 to state 0 output $< 2.5$ ms from state 0 to state 1 output
Input compatibility	2-wire/3-wire proximity sensor
Current consumption	197 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	0.25 A
Maximum leakage current	0.1 mA at state 0
[Ures] residual voltage	1.5 V
Load impedance ohmic	220 Ohm

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

Switching frequency	< 0.5/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 : 3 maximum
Isolation voltage	1500 V for 1 s
Net weight	0.41 kg

## Environment

Standards	IEC 1131-2 Type 1
-----------	-------------------

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	487 g
Package 1 Height	5.5 cm
Package 1 width	18 cm
Package 1 Length	26 cm
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Weight	4.402 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm

## Offer Sustainability

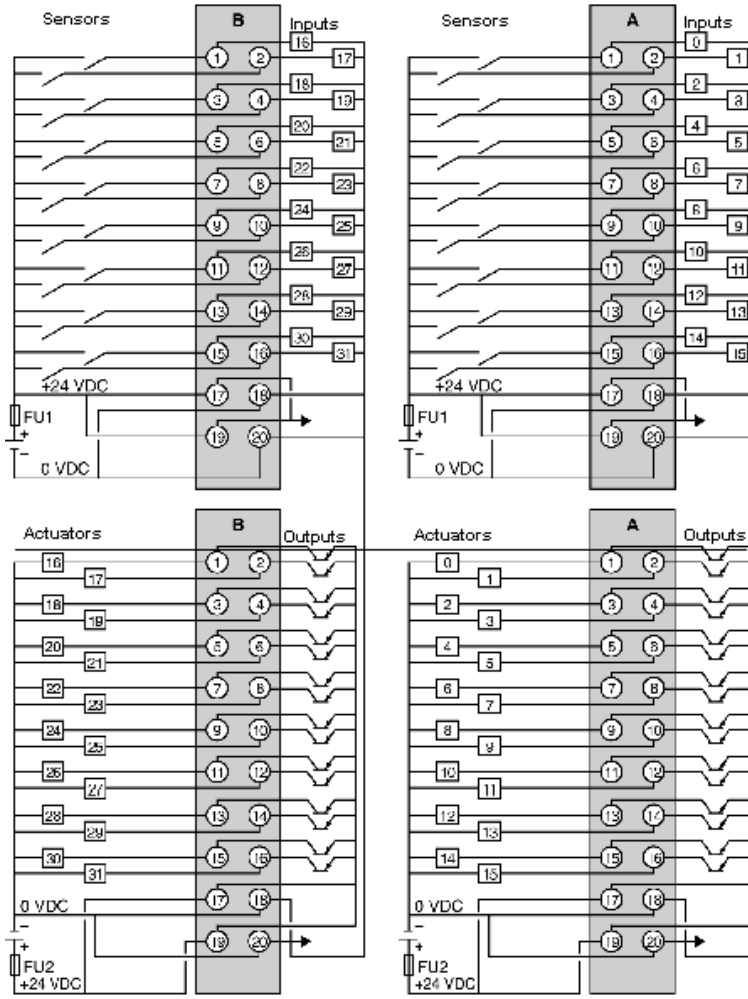
EU RoHS Directive	Not applicable, out of EU RoHS legal scope
China RoHS Regulation	<a href="#">China RoHS declaration</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## Contractual warranty

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

**Sensors/Inputs and Actuators/Outputs Connections**

**Wiring Diagram**



FU1 = 0.5A fuse with rapid fusion.  
FU2 = 2A fuse with rapid fusion.