

Product data sheet

Specifications



TSX Micro - 28 I/O 24 V DC relay

TSXDMZ28DR

! 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 relay I/O base |
| Discrete input number | 16 screw terminal block |
| Discrete input voltage | 24 V DC, discrete input logic: negative |
| Discrete input current | 9 mA |

Complementary

| | |
|-------------------------------|---|
| Input voltage limits | ≤ 8 V at state 1 |
| Current state 0 guaranteed | ≤ 1.5 mA |
| Current state 1 guaranteed | ≥ 2.5 mA |
| Input impedance | 4 Ohm |
| Response time | 0.1...7.5 ms input at state 0 to state 1 0.1...7.5 ms input at state 1 to state 0 < 10 ms output |
| Input compatibility | 2-wire/3-wire proximity sensor |
| Load type | Resistive |
| Current consumption | 160 mA positive 131 mA negative |
| Power dissipation in W | 4.5 W |
| Output voltage limits | 19...264 V AC 10...34 V DC |
| Contacts type and composition | NO |
| Power consumption in VA | 50 VA 24 V AC-12 resistive 110 VA 48 V AC-12 resistive 220 VA 110 V AC-12 resistive 220 VA 220 V AC-12 resistive 24 VA 24 V AC-15 inductive 24 VA 48 V AC-15 inductive 220 VA 220 V AC-15 inductive 110 VA 110 V AC-15 inductive |
| Power consumption in W | 40 W 24 V DC-12 resistive 24 W 24 V DC-13 inductive |
| Isolation voltage | 1500 V for 1 s |
| Insulation resistance | ≥ 10 mOhm |
| Net weight | 0.5 kg |

Environment

| | |
|---|-------------------|
| Standards | IEC 1131-2 Type 1 |
| [lth] conventional free air thermal current | 3 A |

Packing Units

| | |
|------------------------------|----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 5.5 cm |
| Package 1 Width | 18.0 cm |
| Package 1 Length | 26.0 cm |
| Package 1 Weight | 582.0 g |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 8 |
| Package 2 Height | 30.0 cm |
| Package 2 Width | 30.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 5.066 kg |

Offer 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 |

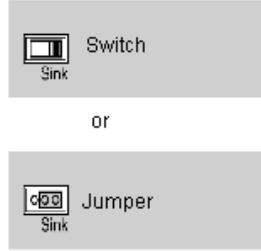
Contractual warranty

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

Sensors/Inputs and Actuators/Outputs Connections

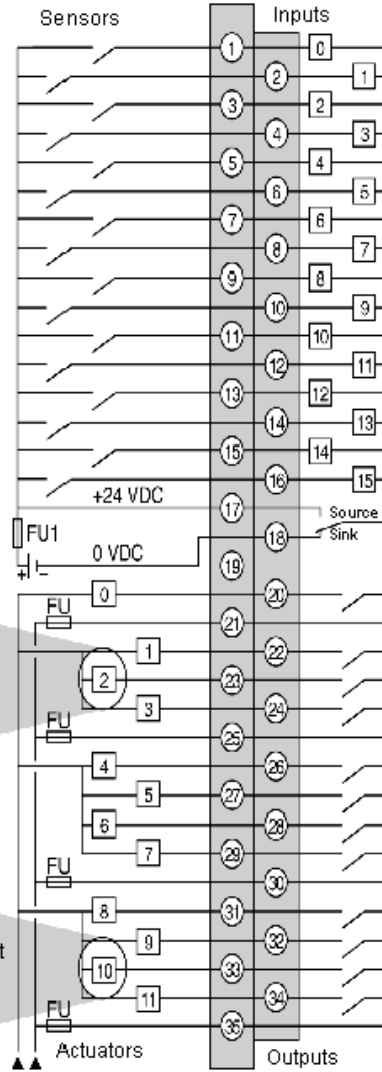
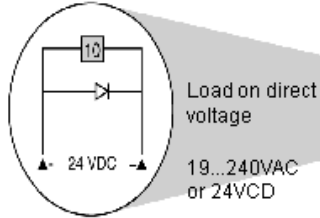
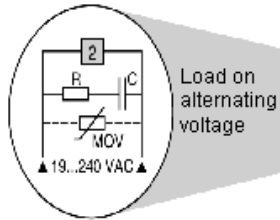
Wiring Diagrams

Positive logic input (Sink)



Inputs hardware configuration

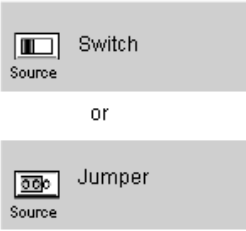
Mandatory protection to be fitted to the terminals of each actuator



FU1 = 0.5A fast-blow fuse.

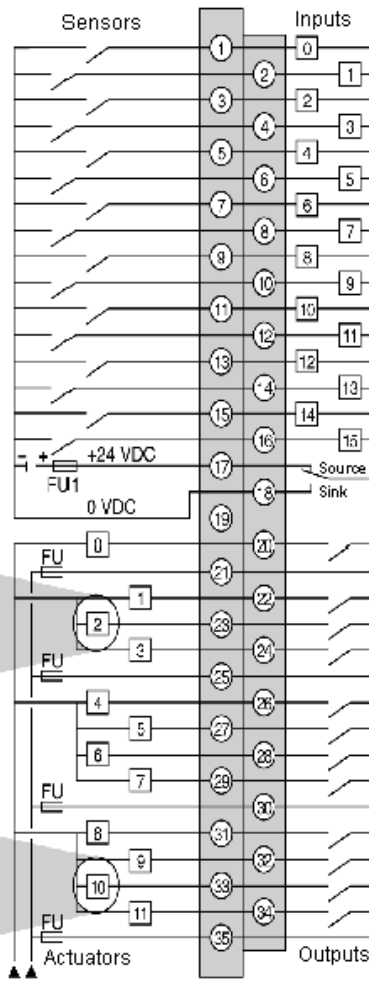
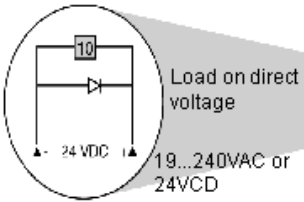
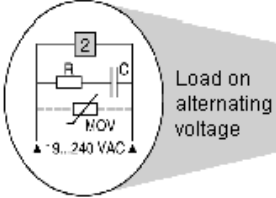
FU = Fast-blow fuses to be calibrated according to the load.

Negative logic input (Source)



Inputs hardware configuration

Mandatory protection to be fitted to the terminals of each actuator



FU1 = 0.5A fast-blow fuse.

FU = Fast-blow fuses to be calibrated according to the load

Recommended replacement(s)