

# Product datasheet

Specifications



## TSX Micro 37 10 PLC configurations

TSX3710028AR1

⚠ Discontinued on: 23 Jan 2021

⚠ Discontinued

### Main

|                           |                                       |
|---------------------------|---------------------------------------|
| Range of product          | Modicon TSX Micro automation platform |
| Product or component type | Modular base controller               |
| Primary voltage           | 100...240 V 90...264 V AC             |
| Input current             | 2 mA 60 A                             |
| Immunity to microbreaks   | 20 ms                                 |
| Output current            | 0.5 A                                 |

### Complementary

|                                   |                                                                                                    |
|-----------------------------------|----------------------------------------------------------------------------------------------------|
| Number of slots                   | 2                                                                                                  |
| Module type                       | Screw terminal discrete I/O                                                                        |
| Discrete input number             | 16 discrete input(s) at 115 V for AC                                                               |
| Discrete output number            | 12 for relay                                                                                       |
| Integrated connection type        | 1 serial link Uni-Telway 19.2 kbit/s<br>1 Modbus Modbus RTU 19.2 kbit/s                            |
| Realtime clock                    | With                                                                                               |
| Memory description                | Internal RAM 14 Kwords data<br>Flash 15 Kwords data                                                |
| Maximum size of object areas      | 256 %Mi<br>1 %MWi internal words<br>128 %KW constant words                                         |
| Execution time per instruction    | 0.25 µs Boolean without PCMCIA card<br>4.81 µs arithmetic REAL floating without PCMCIA card        |
| Execution time for 1 Kinstruction | 3.03 100 % Boolean without PCMCIA card<br>0.25 65 % Boolean and 35 % numerical without PCMCIA card |
| Application structure             | 8 event tasks<br>1 master task<br>1 fast task                                                      |
| System overhead                   | 1.9 ms for master task                                                                             |
| Protection type                   | Short-circuit<br>Overload protection                                                               |
| Network frequency                 | 50...60 Hz                                                                                         |
| Total useful secondary power      | 24 W                                                                                               |

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

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

|                               |                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electromagnetic compatibility | Electrostatic discharge conforming to IEC 1000-4-2 level 3<br>Electromagnetic field immunity test conforming to IEC 1000-4-3 level 3<br>Resistance to fast transient conforming to IEC 1000-4-4 level 3<br>Immunity to impulse waves conforming to IEC 1000-4-5<br>Damped oscillatory wave conforming to IEC 1000-4-12<br>Immunity to electromagnetic interference conforming to IEC 61131-2 |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Environment

|                                       |                                                                                             |
|---------------------------------------|---------------------------------------------------------------------------------------------|
| Ambient air temperature for operation | 0...60 °C                                                                                   |
| Ambient air temperature for storage   | -25...70 °C                                                                                 |
| Relative humidity                     | 10...95 % without condensation for operation<br>5...95 % without condensation for operation |
| Operating altitude                    | 0...2000 m                                                                                  |
| Width                                 | 282.7 mm                                                                                    |
| Height                                | 151 mm                                                                                      |
| Depth                                 | 152 mm                                                                                      |
| Net weight                            | 1.91 kg                                                                                     |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 16.000 cm |
| Package 1 Width              | 16.500 cm |
| Package 1 Length             | 17.800 cm |
| Package 1 Weight             | 2.009 kg  |
| Unit Type of Package 2       | S04       |
| Number of Units in Package 2 | 6         |
| Package 2 Height             | 30.000 cm |
| Package 2 Width              | 40.000 cm |
| Package 2 Length             | 60.000 cm |
| Package 2 Weight             | 12.186 kg |

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

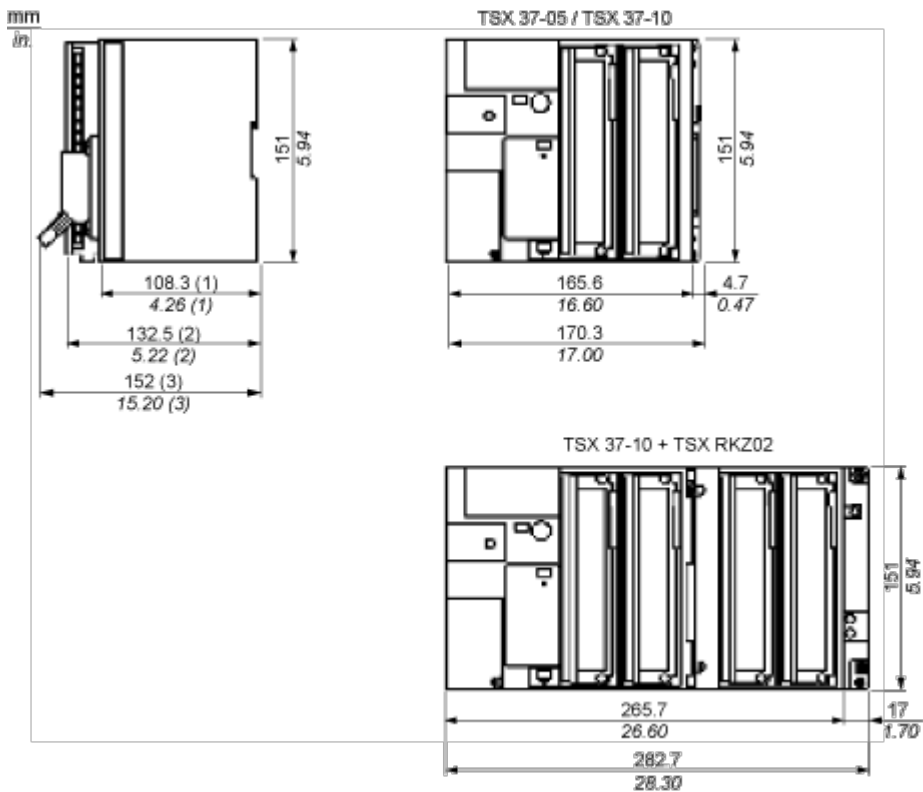
[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Use Longer

| Lifetime extension |    |
|--------------------|----|
| Repair             | No |

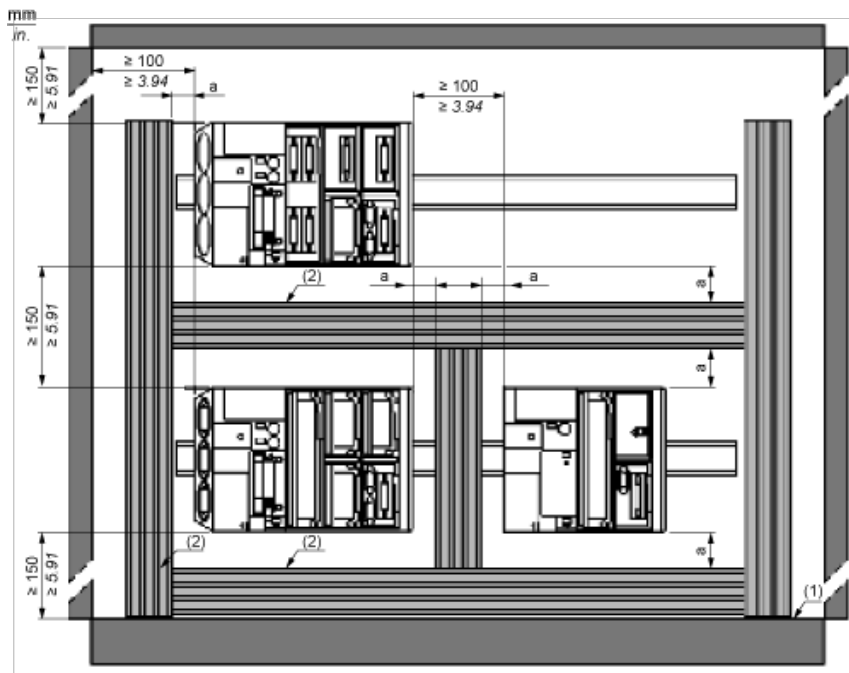
Dimensions



- (1) PLC empty.
- (2) With screw terminal block.
- (3) With HE10 or SubD connector.

Mounting and Clearance

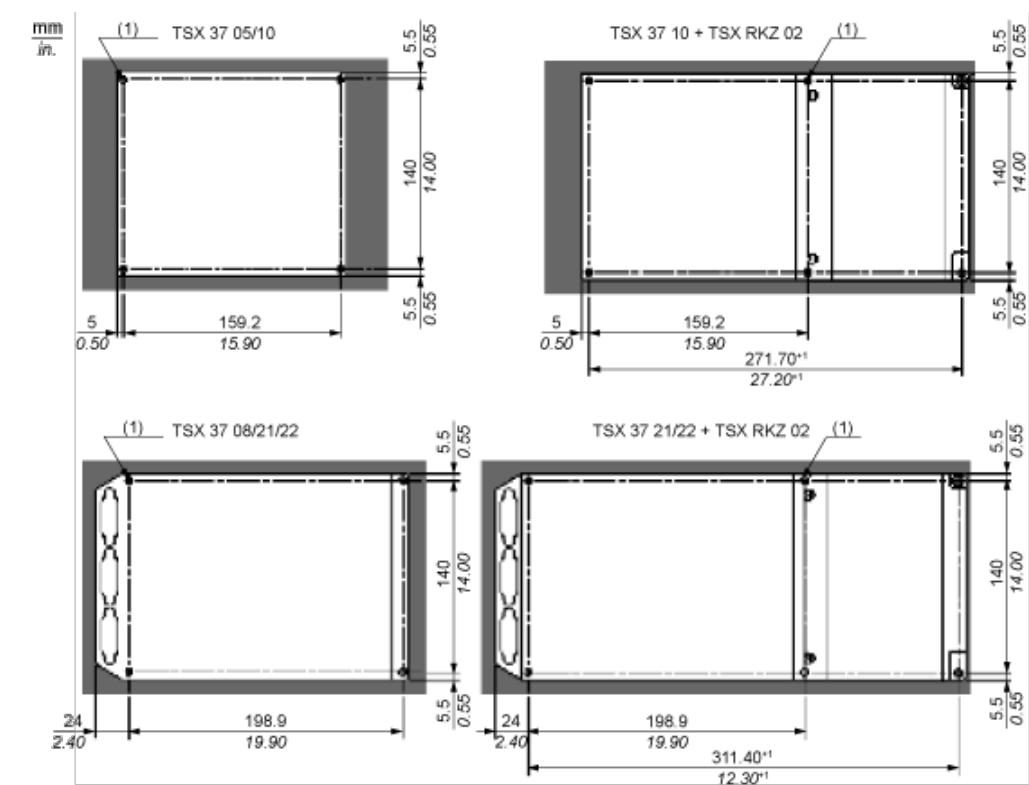
Spacing Requirements



a 50 mm/1.97 in. minimum

- (1) Installation or casing
- (2) Trough or cable tray

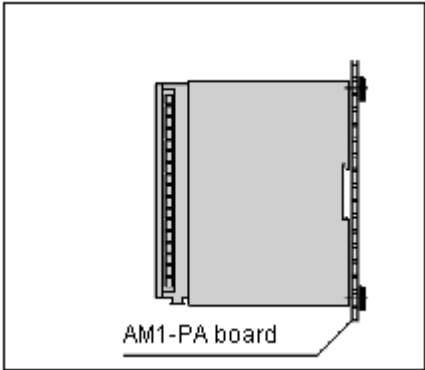
Panel/Board Mounting



Telequick Board Mounting

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Side View



Use 4 screws with M4x16AF1-VA416 captive washers and 4 M4 AF1-EA4 clip nuts.