

# Product datasheet

Specifications



## Modular base controller, Modicon TSX Micro, UNI-TELWAY, 0.5A, 19.2kbit/s

TSX3721001

⚠ Discontinued - Service only

⚠ To be discontinued on: 31 Dec 2027

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

### 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                   | 3                                                                                                                                                                                                                                                                                                                                                                                            |
| Integrated connection type        | 1 serial link (TER/AUX) Uni-Telway 19.2 kbit/s<br>1 Modbus Modbus RTU 19.2 kbit/s                                                                                                                                                                                                                                                                                                            |
| Realtime clock                    | With                                                                                                                                                                                                                                                                                                                                                                                         |
| Memory description                | Flash 15 Kwords data<br>Internal RAM 20 Kwords data<br>Internal RAM (with PCMCIA card) 128 Kwords program and data<br>Internal RAM 128 Kwords data storage                                                                                                                                                                                                                                   |
| Maximum size of object areas      | 128 %KW constant words<br>256 %Mi<br>1 %MW internal words                                                                                                                                                                                                                                                                                                                                    |
| Execution time per instruction    | 0.13 µs Boolean without PCMCIA card<br>4.5 µs arithmetic REAL floating without PCMCIA card<br>0.19 µs Boolean with PCMCIA card<br>4.5 µs arithmetic REAL floating with PCMCIA card                                                                                                                                                                                                           |
| Execution time for 1 Kinstruction | 5.88 100 % Boolean without PCMCIA card<br>0.27 65 % Boolean and 35 % numerical without PCMCIA card<br>4 100 % Boolean with PCMCIA card<br>0.266 65 % Boolean and 35 % numerical with PCMCIA card                                                                                                                                                                                             |
| Application structure             | 16 event tasks<br>1 master task<br>1 fast task                                                                                                                                                                                                                                                                                                                                               |
| System overhead                   | 1.6 ms for master task                                                                                                                                                                                                                                                                                                                                                                       |
| Protection type                   | Overload protection<br>Short-circuit                                                                                                                                                                                                                                                                                                                                                         |
| Total useful secondary power      | 16 W                                                                                                                                                                                                                                                                                                                                                                                         |
| 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 |

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

## 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                                 | 341.4 mm                                                                                    |
| Height                                | 151 mm                                                                                      |
| Depth                                 | 152 mm                                                                                      |
| Product weight                        | 1.72 kg                                                                                     |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 15.0 cm  |
| Package 1 Width              | 17.0 cm  |
| Package 1 Length             | 24.0 cm  |
| Package 1 Weight             | 1.824 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 Better

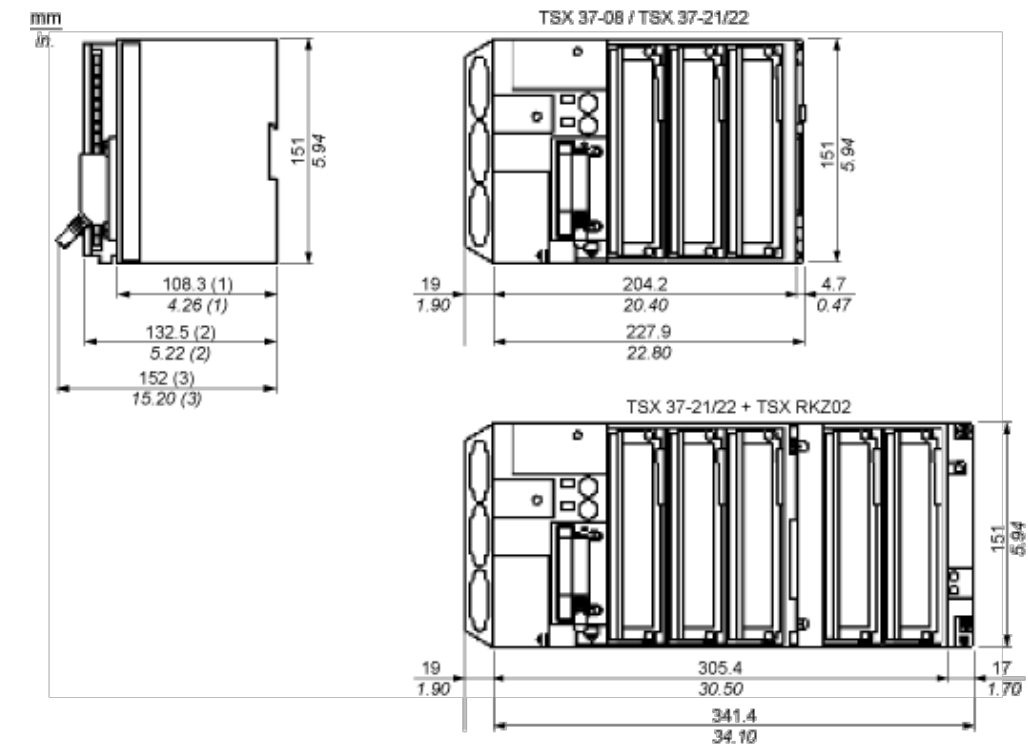
| Materials and Substances |                           |
|--------------------------|---------------------------|
| EU RoHS Directive        | <a href="#">Compliant</a> |

### Use Longer

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

Dimensions Drawings

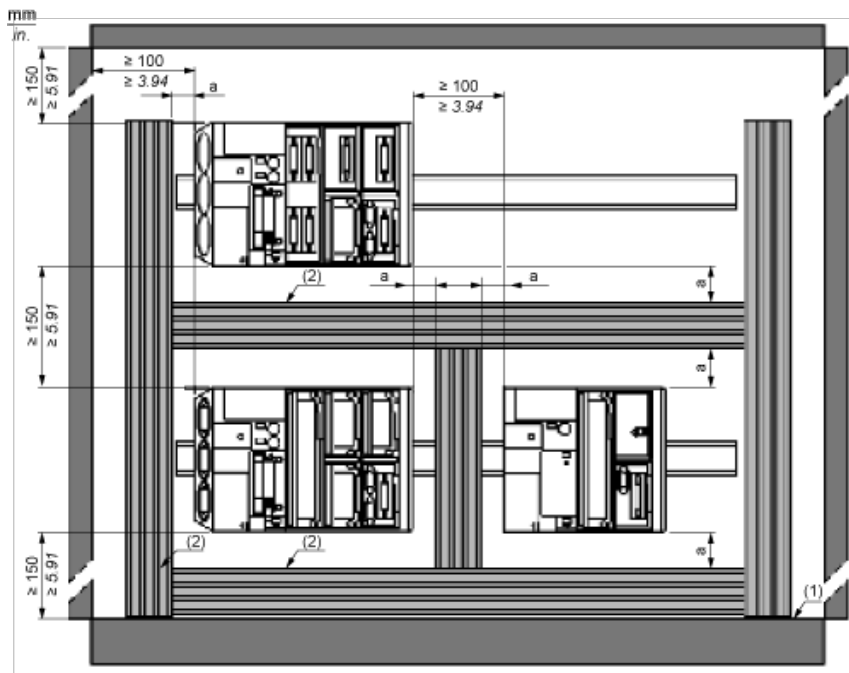
Dimensions



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

Mounting and Clearance

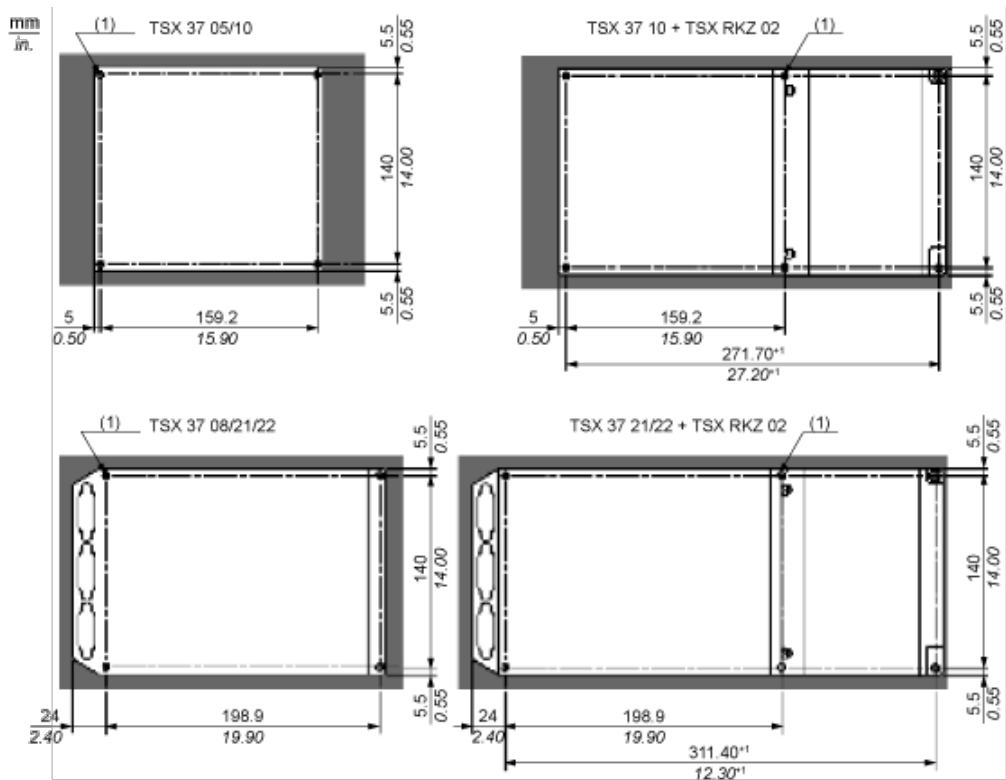
Spacing Requirements



a 50 mm/1.97 in. minimum

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

Panel/Board Mounting

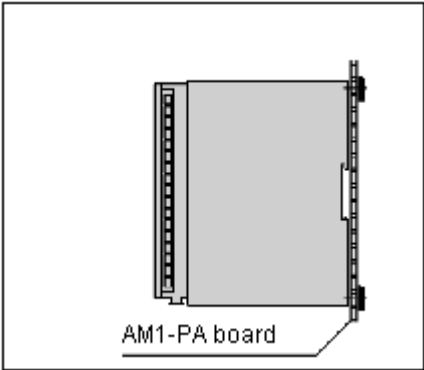


(1) The diameter of the fixing holes must be sufficient to take M4 screws.

Telequick Board Mounting

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Side View



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