



Main

Range of product	Modicon TSX Micro automation platform
Product or component type	Modular base controller
Primary voltage	24 V 19.2...30 V DC
Input current	2 mA < 60 A
Immunity to microbreaks	< 10 ms

Complementary

Number of slots	3
Integrated connection type	1 serial link (TER/AUX) Uni-Telway 19.2 kbit/s 1 Modbus Modbus RTU 19.2 kbit/s
Realtime clock	With
Memory description	Internal RAM 20 Kwords data Internal RAM (with PCMCIA card) 128 Kwords program and data Internal RAM 128 Kwords data storage Flash 15 Kwords data
Maximum size of object areas	256 %Mi 1 %MWi internal words 128 %KWi constant words
Execution time per instruction	0.13 µs Boolean without PCMCIA card 4.5 µs arithmetic REAL floating without PCMCIA card 0.19 µs Boolean with PCMCIA card 4.5 µs arithmetic REAL floating with PCMCIA card
Execution time for 1 Kinstruction	5.88 100 % Boolean without PCMCIA card 0.27 65 % Boolean and 35 % numerical without PCMCIA card 4 100 % Boolean with PCMCIA card 0.266 65 % Boolean and 35 % numerical with PCMCIA card
Application structure	1 fast task 1 master task 16 event tasks
System overhead	1.6 ms master task
Protection type	Overload protection Short-circuit
Total useful secondary power	16 W
Electromagnetic compatibility	Immunity to electromagnetic interference IEC 61131-2 Electrostatic discharge IEC 1000-4-2 level 3 Electromagnetic field immunity test IEC 1000-4-3 level 3 Resistance to fast transient IEC 1000-4-4 level 3 Immunity to impulse waves IEC 1000-4-5 Damped oscillatory wave IEC 1000-4-12

Environment

ambient air temperature for operation	32...140 °F (0...60 °C)
ambient air temperature for storage	-13...158 °F (-25...70 °C)
relative humidity	5...95 % without condensation for operation
operating altitude	0...6561.68 ft (0...2000 m)
width	13.44 in (341.4 mm)
height	5.94 in (151 mm)
depth	5.98 in (152 mm)
product weight	3.79 lb(US) (1.72 kg)

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

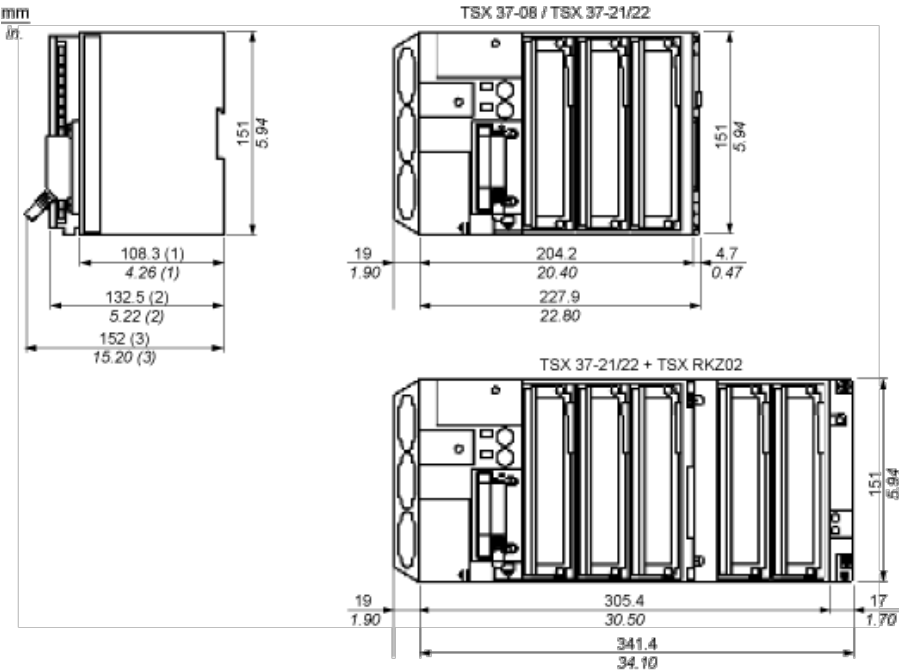
Offer Sustainability

Not Green Premium product	Not Green Premium product
Will not be Compliant	Will not be Compliant
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm.	Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm.
For more information go to www.p65warnings.ca.gov	For more information go to www.p65warnings.ca.gov

Contractual warranty

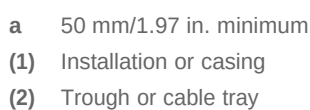
Warranty period	18 months
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Dimensions



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

Spacing Requirements



mm
in.

(1) TSX 37 05/10

5.5
0.55

140
14.00

5
0.50

159.2
15.90

5.5
0.55

TSX 37 10 + TSX RKZ 02 (1)

5.5
0.55

140
14.00

5
0.50

159.2
15.90

271.70⁺¹
27.20⁻¹

5.5
0.55

(1) TSX 37 08/21/22

5.5
0.55

140
14.00

24
2.40

198.9
19.90

5.5
0.55

TSX 37 21/22 + TSX RKZ 02 (1)

5.5
0.55

140
14.00

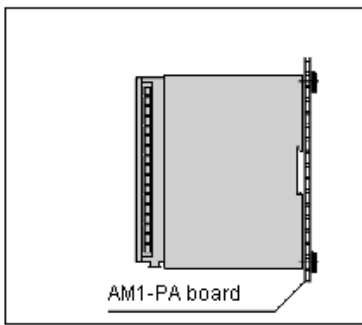
24
2.40

198.9
19.90

311.40⁺¹
31.14⁻¹

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

Side View



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