



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 24 V AC
Discrete output number	12 relay
Integrated connection type	1 serial link Uni-Telway 19.2 kbit/s 1 Modbus Modbus RTU 19.2 kbit/s
Realtime clock	With
Memory description	Internal RAM 14 Kwords data Flash 15 Kwords data
Maximum size of object areas	256 %Mi 1 %MWi internal words 128 %KW constant words
Execution time per instruction	0.25 µs Boolean without PCMCIA card 4.81 µs arithmetic REAL floating without PCMCIA card
Execution time for 1 Kinstruction	3.03 100 % Boolean without PCMCIA card 0.25 65 % Boolean and 35 % numerical without PCMCIA card
Application structure	1 fast task 1 master task 8 event tasks
System overhead	1.9 ms master task
Protection type	Overload protection Short-circuit
Network frequency	50...60 Hz
Total useful secondary power	24 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	10...95 % without condensation for operation 5...95 % without condensation for operation
operating altitude	0...6561.68 ft (0...2000 m)
width	11.13 in (282.7 mm)
height	5.94 in (151 mm)
depth	5.98 in (152 mm)
product weight	4.21 lb(US) (1.91 kg)

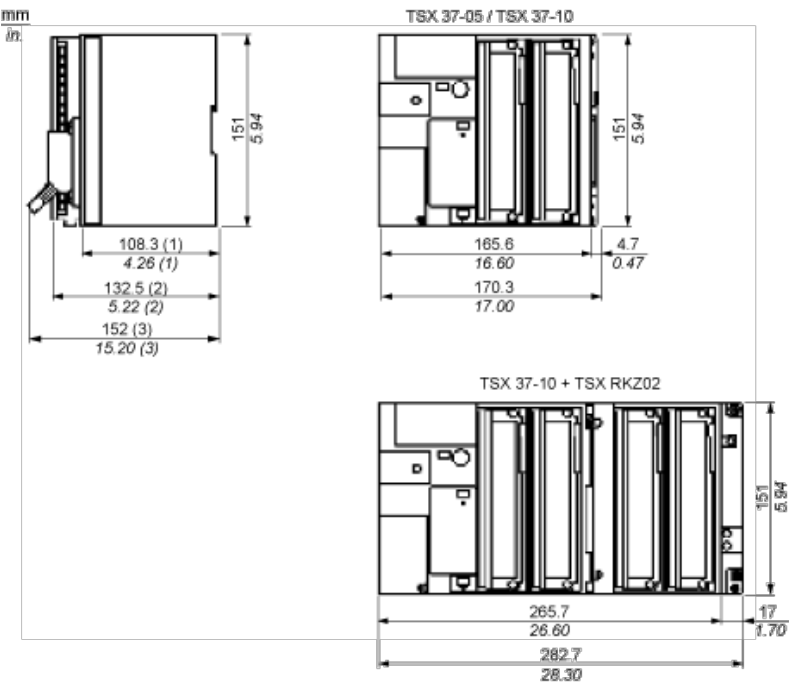
Offer Sustainability

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

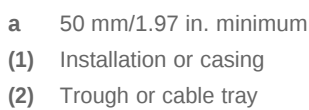
Warranty period	18 months
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Dimensions



- (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

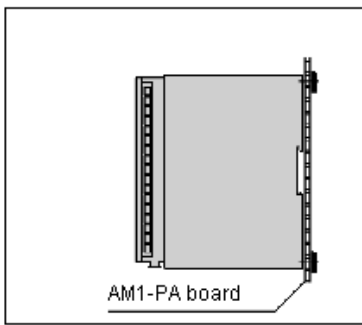
140
14.00

24
2.40

198.9
19.90

311.40⁺¹
31.14⁺¹

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