Product data sheet
Characteristics

TSX3710028DR1
TSX Micro 37 10 PLC configurations

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 micro-breaks	< 20 ms
Output current	0.5 A

Complementary

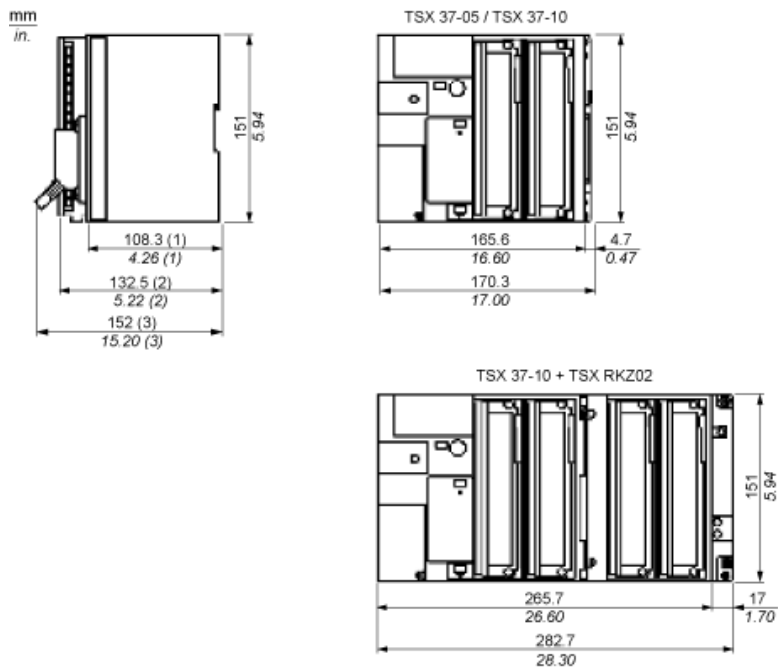|	
Number of slots	2
Module type	Screw terminal discrete I/O
Discrete input number	16 24 V AC
Discrete output number	12 relay
Integrated connection type	1 Modbus Modbus RTU 19.2 kbit/s 1 serial link Uni-Telway 19.2 kbit/s
Realtime clock	With
Memory description	Flash 15 Kwords data Internal RAM 14 Kwords data
Maximum size of object areas	256 %Mi 1 %MWi internal words 128 %KWi constant words
Execution time per instruction	4.81 µs arithmetic REAL floating without PCMCIA card 0.25 µs Boolean without PCMCIA card
Execution time for 1 K instruction	0.25 65 % Boolean and 35 % numerical without PCMCIA card 3.03 100 % Boolean 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 Damped oscillatory wave IEC 1000-4-12 Immunity to impulse waves IEC 1000-4-5 Resistance to fast transient IEC 1000-4-4 level 3 Electromagnetic field immunity test IEC 1000-4-3 level 3 Electrostatic discharge IEC 1000-4-2 level 3

Environment

Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-25...70 °C
Relative humidity	5...95 % without condensation for operation 10...95 % without condensation for operation
Operating altitude	0...2000 m
Width	282.7 mm
Height	151 mm

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Depth	152 mm
Product weight	1.91 kg

Offer Sustainability
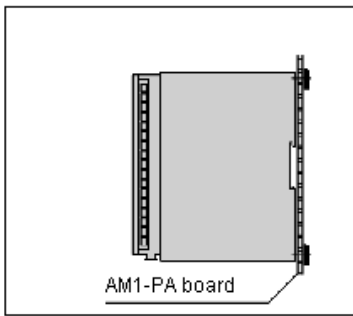
Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Will not be Compliant
REACh	Reference not containing SVHC above the threshold

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TSX3710028DR1

Dimensions

TSX 37-05 / TSX 37-10

TSX 37-10 + TSX RKZ02

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

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.

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Side View

AM1-PA board

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