



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 %KW 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	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

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	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

Offer Sustainability

RoHS (date code: YYWW)	Will not be compliant Will not be compliant
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold

Contractual warranty

Warranty period	18 months
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