

Schneider Series Service Manual

TSX3721101

1. Description

TSX3721101 Schneider Electric Modular Base Controller

3. Product Information

TSX3721101 Schneider Electric Modular Base Controller

TSX Micro 37 21/22 PLC configurations

Complementary

Number of slots 3

Integrated connection type 1 Modbus Modbus RTU 19.2 kbit/s

1 serial link (TER/AUX) Uni-Telway 19.2 kbit/s

Realtime clock With

Memory description Internal RAM 128 Kwords data storage

Internal RAM (with PCMCIA card) 128 Kwords program and data

Internal RAM 20 Kwords data

Flash 15 Kwords data

Maximum size of object areas 256 %Mi

1 %MWi internal words

128 %KW_i constant words

Execution time per instruction 4.5 µs arithmetic REAL floating with PCMCIA card

0.19 µs Boolean with PCMCIA card

4.5 µs arithmetic REAL floating without PCMCIA card

0.13 µs Boolean without PCMCIA card

Execution time for 1 K instruction 0.266 65 % Boolean and 35 % numerical with PCMCIA card

4 100 % Boolean with PCMCIA card

0.27 65 % Boolean and 35 % numerical without PCMCIA card

5.88 100 % Boolean without 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

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

Operating altitude 0...2000 m

Width 341.4 mm

Height 151 mm

Depth 152 mm

Product weight 1.72 kg