Product data sheet
Characteristics

TSXP57103M
Single format PL7 processor, Modicon Premium, Internal RAM 32Kwords data, PL7 Junior/Pro



Commercial status
End of Commercialisation :

⚠ End of Commercialisation

Main

Range of product	Modicon Premium Automation platform
Product or component type	Single-format PL7 processor
Software designation	PL7 Junior/Pro

Complementary

Number of racks	2 12 slots 4 4/6/8 slots
Number of slots	16 32 24
Discrete I/O processor capacity	512 I/O
Analogue I/O processor capacity	24 I/O
Number of application specific channel	8
Integrated connection type	Non isolated serial link 2 female mini DIN connector (19.2 kbit/s)
Communication module processor capacity	1 network module 2 AS-Interface bus modules 1 CANopen
Memory description	Internal RAM (with PCMCIA card) 32 Kwords data Internal RAM (without PCMCIA card) 32 Kwords program and data PCMCIA card 128 Kwords additional data storage PCMCIA card 64 Kwords program
Maximum size of object areas	30.5 %MWi internal words located internal data 32 %KWi constant words located internal data 4096 %Mi located internal bits
Application structure	1 master task 1 fast task 32 event tasks
Execution time per instruction	0.5 µs Boolean without PCMCIA card 0.6 µs Boolean with PCMCIA card 0.62 µs word or fixed-point arithmetic without PCMCIA card 0.87 µs word or fixed-point arithmetic with PCMCIA card 44 µs floating points with PCMCIA card 44 µs floating points without PCMCIA card
Number of instructions per ms	0.85 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card 1.05 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card 1.18 Kinst/ms 100 % Boolean with PCMCIA card 1.52 Kinst/ms 100 % Boolean without PCMCIA card
System overhead	0.8 Ms for fast task 1.5 Ms for master task
Marking	CE

Local signalling	1 LED (green) for processor running (RUN) 1 LED (red) for I/O module or configuration fault (I/O) 1 LED (red) for processor or system fault (ERR) 1 LED (yellow) for activity on the terminal port (TER)
Current consumption	440 mA at 5 V DC
Module format	Standard
Net weight	0.38 Kg

Environment

Standards	CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 142 89/336/EEC UL 508 73/23/EEC CSA C22.2 No 213 Class I Division 2 Group C 92/31/EEC 93/68/EEC CSA C22.2 No 213 Class I Division 2 Group B IEC 61131-2 CSA C22.2 No 213 Class I Division 2 Group D
Product certifications	DNV[RETURN]GL[RETURN]RMRS[RETURN]BV[RETURN]ABS[RETURN]LR[RETURN]RINA
Ambient air temperature for operation	0…60 °C
Ambient air temperature for storage	-25…70 °C
Relative humidity	10…95 % without condensation for operation 5…95 % without condensation for storage
Operating altitude	0...2000 m
Protective treatment	TC
IP degree of protection	IP20
Pollution degree	2

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.5 Cm
Package 1 Width	18.0 Cm
Package 1 Length	26.0 Cm
Package 1 Weight	508.0 G

Offer Sustainability

Sustainable packaging	No

Contractual warranty

Warranty (in months)	18

Product Life Status : Post commercialisation

TSXP57103M may be replaced by any of the following products:



BMXP342020

processor, Modicon M340, max 1024 discrete, 256 analog IO, Modbus, Ethernet

Qty 1

Substitution date: |