Product data sheet
Characteristics

TSXP573623AM
double-format PL7 processor - Transparent Ready - 1360 mA

Restricted Sales for Services

Commercial status

Discontinued: 31 December 2018

Main

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

Complementary

Concept	Transparent Ready
Number of racks	16 4/6/8 slots 8 12 slots
Number of slots	96 128 64
Discrete I/O processor capacity	1024 I/O
Analogue I/O processor capacity	128 I/O
Number of application specific channel	32
Number of process control channel	15 up to 45 simple loops
Integrated connection type	Ethernet TCP/IP RJ45 connector (10/100 Mbit/s) Non isolated serial link 2 female mini DIN connector (19.2/115 kbit/s)
Communication module processor capacity	1 fieldbus modules (1 if CANopen used) 8 AS-Interface bus modules 2 fieldbus 2 network module
Memory description	Internal RAM (with PCMCIA card) 80 Kwords data Internal RAM (without PCMCIA card) 64 Kwords program and data PCMCIA card 2688 Kwords additional data storage PCMCIA card 384 Kwords program
Maximum size of object areas	16384 %Mi located internal bits 30.5 %MWi internal words located internal data 32 %KWi constant words located internal data
Application structure	1 master task 1 fast task 64 event tasks
Execution time per instruction	2.6 µs floating points with PCMCIA card 0.12 µs Boolean without PCMCIA card 0.17 µs Boolean with PCMCIA card 0.17 µs word or fixed-point arithmetic without PCMCIA card 0.33 µs word or fixed-point arithmetic with PCMCIA card 2.5 µs floating points without PCMCIA card
Number of instructions per ms	3.08 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card

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4.49 Kinst/ms 100 % Boolean with PCMCIA card
4.7 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card
6.57 Kinst/ms 100 % Boolean without PCMCIA card

System overhead	0.29 ms for fast task 1.15 ms for master task
Marking	CE
Local signalling	1 LED (green)Ethernet TCP/IP port ready (RUN): 1 LED (green)processor running (RUN): 1 LED (red)collision detection (COL): 1 LED (red)Ethernet TCP/IP port fault (ERR): 1 LED (red)I/O module or configuration fault (I/O): 1 LED (red)processor or system fault (ERR): 1 LED (yellow)activity on the terminal port (TER): 1 LED (yellow)Ethernet link diagnostics (STS): 1 LED (yellow)reception activity (RX): 1 LED (yellow)transmission activity (TX):
Current consumption	1360 mA at 5 V DC
Module format	Double

Environment

Standards	CSA C22.2 No 213 Class I Division 2 Group B 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group C UL 508 CSA C22.2 No 142 93/68/EEC 73/23/EEC IEC 61131-2 CSA C22.2 No 213 Class I Division 2 Group A 92/31/EEC CSA C22.2 No 213 Class I Division 2 Group D
Product certifications	RINA BV ABS DNV RMRS GL LR
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

Contractual warranty

Warranty	18 months

TSXP573623AM is replaced by:

Standard environment BMEP583020

processor module M580 - Level 3 - Distributed

Qty 1

Reason for Substitution: End of life | Substitution date: 31 December 2018