Product data sheet
Characteristics

TSXP574823AMC
double-format PL7 processor - Transparent Ready - 1440 mA

has not been replaced. Please contact your customer care center for more information.

⚠ Restricted Sales for Services

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	128 96 64
Discrete I/O processor capacity	2040 I/O
Analogue I/O processor capacity	256 I/O
Number of application specific channel	64
Number of process control channel	20 up to 60 simple loops
Integrated connection type	Fipio manager (127 agents) SUB-D 9 connector 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	2 fieldbus modules (1 if CANopen used) 8 AS-Interface bus modules 1 CANopen 4 network module
Memory description	Internal RAM (with PCMCIA card) 176 Kwords data Internal RAM (without PCMCIA card) 96 Kwords program and data PCMCIA card 2048 Kwords additional data storage PCMCIA card 992 Kwords program
Maximum size of object areas	30.5 %MWi internal words located internal data 32 %KWi constant words located internal data 32768 %Mi located internal bits
Application structure	1 fast task 1 master task 64 event tasks
Execution time per instruction	0.06 µs Boolean with PCMCIA card 0.06 µs Boolean without PCMCIA card 0.08 µs word or fixed-point arithmetic with PCMCIA card 0.08 µs word or fixed-point arithmetic without PCMCIA card 1.7 µs floating points with PCMCIA card 1.7 µs floating points without PCMCIA card

Number of instructions per ms	13.82 Kinst/ms 100 % Boolean with PCMCIA card 13.82 Kinst/ms 100 % Boolean without PCMCIA card 8.8 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card 8.8 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card
System overhead	0.22 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)activity on Fipio bus (FIP): 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	1440 mA at 5 V DC
Module format	Double

Environment

Standards	CSA C22.2 No 213 Class I Division 2 Group C CSA C22.2 No 142 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group D CSA C22.2 No 213 Class I Division 2 Group B 73/23/EEC IEC 61131-2 93/68/EEC 92/31/EEC CSA C22.2 No 213 Class I Division 2 Group A UL 508
Product certifications	BV RINA ABS GL DNV RMRS 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	Conformal coating Humiseal 1A33 TC
IP degree of protection	IP20
Pollution degree	2

Contractual warranty

Warranty	18 months