



! Discontinued

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 64 96
Discrete I/O processor capacity	1024 I/O
Analogue I/O processor capacity	80 I/O
Number of application specific channel	24
Number of process control channel	10 up to 30 simple loops
Integrated connection type	Non isolated serial link 2 female mini DIN19.2 kbit/s) Fipio manager (127 agents) SUB-D 9 Ethernet TCP/IP RJ4510/100 Mbit/s)
Communication module processor capacity	1 fieldbus module (none if CANopen used) 4 AS-Interface bus modules 1 CANopen
Memory description	Internal RAM (with PCMCIA card) 64 Kwords data Internal RAM (without PCMCIA card) 64 Kwords program and data PCMCIA card 160 Kwords program PCMCIA card 2688 Kwords additional data storage
Maximum size of object areas	30.5 %MWi internal words located internal data 32 %KWw constant words located internal data 8132 %Mi located internal bits
Application structure	1 fast task 1 master task 64 event tasks
Execution time per instruction	0.19 µs Boolean without PCMCIA card 0.21 µs Boolean with PCMCIA card 0.25 µs word or fixed-point arithmetic without PCMCIA card 0.42 µs word or fixed-point arithmetic with PCMCIA card

* Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

	2.6 μ s floating points with PCMCIA card 2.6 μ s floating points without PCMCIA card
Number of instructions per ms	2.5 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card 3.57 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card 3.7 Kinst/ms 100 % Boolean with PCMCIA card 4.76 Kinst/ms 100 % Boolean without PCMCIA card
System overhead	0.35 ms fast task 1.2 ms master task
Marking	CE
Local signalling	for Ethernet TCP/IP port ready (RUN) 1 LED (green) for processor running (RUN) 1 LED (green) for activity on Fipio bus (FIP) 1 LED (red) for collision detection (COL) 1 LED (red) for Ethernet TCP/IP port fault (ERR) 1 LED (red) for I/O module or configuration fault (I/O) 1 LED (red) for processor or system fault (ERR) 1 LED (red) for activity on the terminal port (TER) 1 LED (yellow) for Ethernet link diagnostics (STS) 1 LED (yellow) for reception activity (RX) 1 LED (yellow) for transmission activity (TX) 1 LED (yellow)
Current consumption	1180 mA 5 V DC
Module format	Double

Environment

Standards	CSA C22.2 No 213 Class I Division 2 Group A 73/23/EEC CSA C22.2 No 213 Class I Division 2 Group B IEC 61131-2 CSA C22.2 No 142 89/336/EEC 92/31/EEC CSA C22.2 No 213 Class I Division 2 Group C CSA C22.2 No 213 Class I Division 2 Group D UL 508 93/68/EEC
Product certifications	RINA DNV BV RMRS ABS GL LR
Ambient air temperature for operation	32...140 °F (0...60 °C)
Ambient air temperature for storage	-13...158 °F (-25...70 °C)
Relative humidity	10...95 % without condensation for operation 5...95 % without condensation for storage
Operating altitude	0...6561.68 ft (0...2000 m)
Protective treatment	TC Conformal coating Humiseal 1A33
IP degree of protection	IP20
Pollution degree	2

Ordering and shipping details

Category	22558 - TSX PREMIUM, ATRIUM & PL7 PRO
Discount Schedule	PC22
GTIN	03595863953329
Nbr. of units in pkg.	1
Package weight(Lbs)	2.2 lb(US) (1.00 kg)
Returnability	No
Country of origin	FR

Packing Units

Package 1 Height	3.74 in (95.000 mm)
Package 1 width	7.09 in (180.000 mm)
Package 1 Length	10.24 in (260.000 mm)

Contractual warranty

Warranty	18 months
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TSXP572823MC is replaced by:



Harsh environment BMEP582020H

processor module M580 - Level 2 - Distributed Harsh

Qty 1

Reason for Substitution: End of life | Substitution date: 31 December 2017