



### Main

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

### Complementary

Number of racks	16 4/6/8 slots 8 12 slots
Number of slots	96 64 128
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 Non isolated serial link 2 female mini DIN19.2/115 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 %KWw constant words located internal data 32768 %Mi located internal bits
Application structure	64 event tasks 1 fast task 1 master task
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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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 fast task 1.15 ms master task
Marking	CE
Local signalling	1 LED (green) for processor running (RUN) Activity on Fipio bus (FIP) 1 LED red I/O module or configuration fault (I/O) 1 LED red 1 LED (red) for processor or system fault (ERR) Activity on the terminal port (TER) 1 LED yellow
Current consumption	1080 mA 5 V DC
Module format	Double
Net weight	1.23 lb(US) (0.56 kg)

## Environment

Standards	73/23/EEC 93/68/EEC CSA C22.2 No 142 92/31/EEC CSA C22.2 No 213 Class I Division 2 Group A UL 508 IEC 61131-2 CSA C22.2 No 213 Class I Division 2 Group C 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group B CSA C22.2 No 213 Class I Division 2 Group D
Product certifications	BV ABS RINA RMRS DNV 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...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 Weight	22.86 oz (648 g)
Package 1 Height	3.74 in (9.5 cm)
Package 1 width	7.09 in (18 cm)
Package 1 Length	10.24 in (26 cm)

## Contractual warranty

Warranty	18 months
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TSXP57453AM 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

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