



## Commercial status

Discontinued on: 31 December 2018

To be end-of-service on: 31 December 2026

ⓘ Restricted Sales for Services

## 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

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

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 GL RMRS BV ABS LR 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 Weight	508 g
Package 1 Height	5.5 cm
Package 1 width	18 cm
Package 1 Length	26 cm
Unit Type of Package 2	S04
Number of Units in Package 2	12
Package 2 Weight	6.096 kg
Package 2 Height	30 cm
Package 2 width	40 cm
Package 2 Length	60 cm

## Contractual warranty

Warranty	18 months
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TSXP57103M is replaced by:

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### Standard environment BMXP342020

processor module M340 - max 1024 discrete + 256 analog I/O - Modbus - Ethernet

Qty 1

Reason for Substitution: End of life | Substitution date: 30 September 2019 | This is not interchangeable but an equivalent functional product in the Modicon M580/X80 range. Please contact technical support about your migration options.

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