

# Product data sheet

Specifications



## double-format PL7 processor - 550 mA 5 V DC

TSXP57203M

! Discontinued on: 31 December 2018

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

! Discontinued - Service only

### 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	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 DIN connector (19.2 kbit/s)
Communication module processor capacity	1 fieldbus module (none if CANopen used) 1 network module 4 AS-Interface bus modules 1 CANopen
Memory description	Internal RAM (with PCMCIA card) 48 Kwords data Internal RAM (without PCMCIA card) 48 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 %KWi 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 2.6 µs floating points with PCMCIA card 2.6 µs 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

<b>System overhead</b>	0.35 ms for fast task 1 ms for master task
<b>Marking</b>	CE
<b>Local signalling</b>	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)
<b>Current consumption</b>	750 mA at 5 V DC
<b>Module format</b>	Double
<b>Net weight</b>	0.52 kg

## Environment

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

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Weight</b>	646.0 g
<b>Package 1 Height</b>	9.5 cm
<b>Package 1 width</b>	18.0 cm
<b>Package 1 Length</b>	26.0 cm
<b>Unit Type of Package 2</b>	S04
<b>Number of Units in Package 2</b>	6
<b>Package 2 Weight</b>	4.823 kg
<b>Package 2 Height</b>	30.0 cm
<b>Package 2 width</b>	40.0 cm
<b>Package 2 Length</b>	60.0 cm

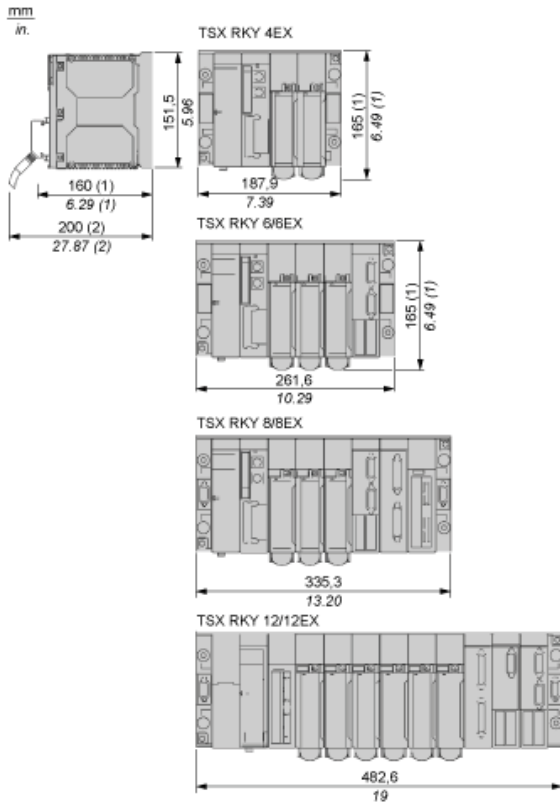
# Contractual warranty

Warranty

18 months

**Standard and Extendable Racks for Modules Mounting**

**Dimensions of Modules and Racks**



- (1) With screw terminal block modules.
- (2) Maximum depth for all types of modules and their associated connectors.

**Recommended replacement(s)**

TSXP57203M is replaced by:

1x



Standalone processor, Modicon M580, 8MB, 125 Ethernet devices, 4 Local I/O racks (2045 Digital, 512 Analog)

BMEP582020