Product data sheet
Characteristics

TSXP57103M
single-format PL7 processor - 440 mA 5 V DC

Product availability : Non-Stock - Not normally stocked in distribution facility

Commercial status

Discontinued on: 02 December 2020

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

⚠ Discontinued - Service only

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 DIN19.2 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

System overhead	0.8 ms fast task 1.5 ms master task
Marking	CE
Local signalling	for processor running (RUN) 1 LED (green) 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)
Current consumption	440 mA 5 V DC
Module format	Standard
Net Weight	0.84 lb(US) (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	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
IP degree of protection	IP20
Pollution degree	2

Ordering and shipping details

Category	22558 - TSX PREMIUM, ATRIUM & PL7 PRO
Discount Schedule	PC22
GTIN	00785901292807
Nbr. of units in pkg.	1
Package weight(Lbs)	1.13 lb(US) (0.51 kg)
Returnability	No
Country of origin	FR

Packing Units

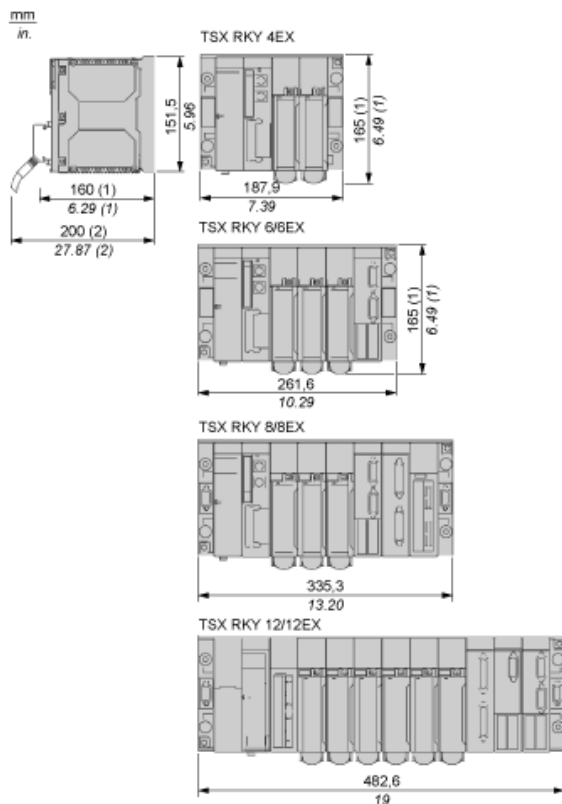| Unit Type of Package 1	PCE
Package 1 Height	2.17 in (5.5 cm)
Package 1 width	7.09 in (18 cm)
Package 1 Length	10.24 in (26 cm)
Unit Type of Package 2	S04
Number of Units in Package 2	12
Package 2 Weight	13.44 lb(US) (6.096 kg)
Package 2 Height	11.81 in (30 cm)
Package 2 width	15.75 in (40 cm)

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| Package 2 Length | 23.62 in (60 cm) |

Contractual warranty

| Warranty | 18 months |

TSXP57103M

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.

TSXP57103M is replaced by:

Standard environment BMXP342020

processor module M340, max 1024 discrete and 256 analog I/O, Modbus, Ethernet

Qty 1