Product data sheet

Specifications



Discontinued - Service only

Double format PL7 processor, Modicon Premium, Internal RAM 64Kwords program & data, 32 channel, PL7 Junior/Pro

TSXP57303AM

Discontinued on: Dec 2, 2020

To be end-of-service on: Dec 31, 2026

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

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	128 96 64
Discrete I/O processor capacity	1024 I/O
Analogue I/O processor capacity	128 I/O
Number of application specific channel	32
Number of process control channel	15 up to 45 simple loops
Integrated connection type	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 3 network module
Memory description	Internal RAM (with PCMCIA card) 80 Kwords data Internal RAM (without PCMCIA card) 64 Kwords program and data PCMCIA card 2688 Kwords additional data storage PCMCIA card 384 Kwords program
Maximum size of object areas	16384 %Mi located internal bits 30.5 %MWi internal words located internal data 32 %KWi constant words located internal data
Application structure	1 master task 64 event tasks 1 fast task
Execution time per instruction	2.6 µs floating points with PCMCIA card 0.12 µs Boolean without PCMCIA card 0.17 µs Boolean with PCMCIA card 0.17 µs word or fixed-point arithmetic without PCMCIA card 0.33 µs word or fixed-point arithmetic with PCMCIA card 2.5 µs floating points without PCMCIA card

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

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	3.08 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card 4.49 Kinst/ms 100 % Boolean with PCMCIA card 4.7 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card 6.57 Kinst/ms 100 % Boolean without PCMCIA card
System overhead	0.29 ms fast task 1.15 ms 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	1000 mA 5 V DC
Module format	Double
Product Weight	1.15 lb(US) (0.52 kg)

Environment

Standards	CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 213 Class I Division 2 Group C CSA C22.2 No 213 Class I Division 2 Group B 92/31/EEC IEC 61131-2 93/68/EEC 73/23/EEC UL 508 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group D CSA C22.2 No 142
Product Certifications	RMRS GL BV LR ABS DNV 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	US1PC2222558
Discount Schedule	PC22
GTIN	3595863914351
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	3.7 in (9.5 cm)

Package 1 Width	7.09 in (18.0 cm)
Package 1 Length	10.2 in (26.0 cm)
Package weight(Lbs)	22.8 oz (646.0 g)

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Use Better

Materials and Substances

California proposition 65	**WARNING: This product can expose you to chemicals including: Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm.For more information go to www.p65warnings.ca.gov**

Use Longer

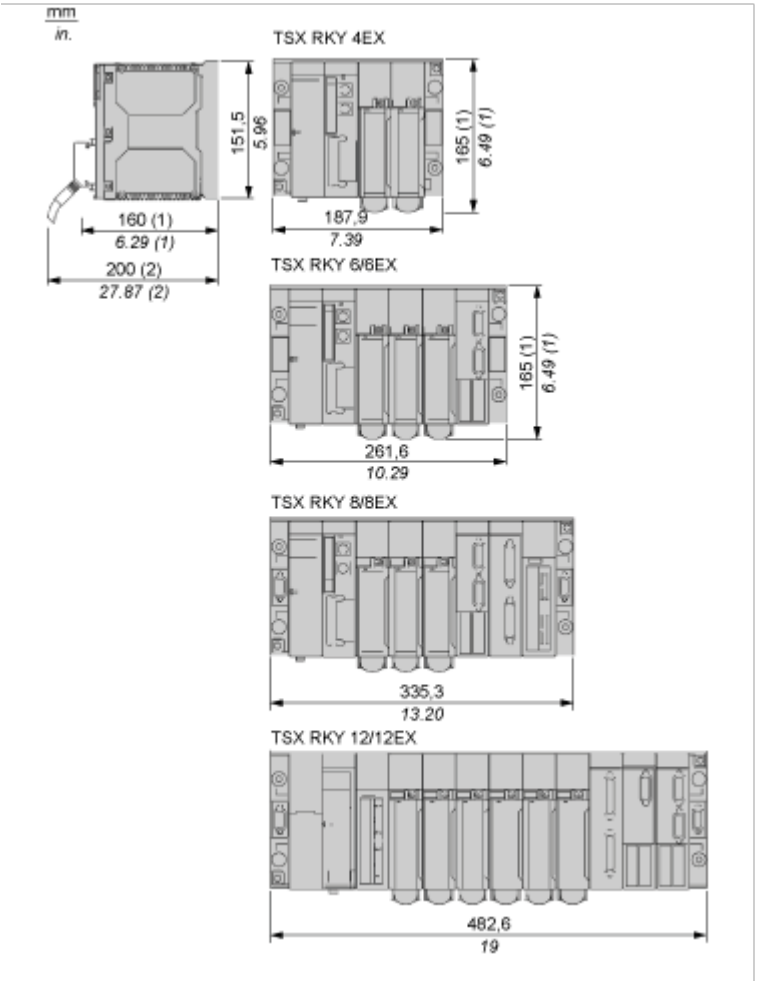
Lifetime extension

Repair	**No**

Dimensions Drawings

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.