

Product data sheet

Specifications



double-format PL7 processor - 1080 mA

TSXP57453AMC

⚠ Discontinued on: Dec 2, 2020

⚠ End-of-service on: Dec 31, 2020

⚠ 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	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 %KWi constant words located internal data 32768 %Mi located internal bits
Application Structure	1 fast task 64 event tasks 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
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

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

System Overhead	0.22 ms fast task 1.15 ms master task
Marking	CE
Local Signalling	for processor running (RUN) 1 LED (green) for activity on Fipio bus (FIP) 1 LED (red) 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	1080 mA 5 V DC
Module Format	Double
Net Weight	1.23 lb(US) (0.56 kg)

Environment

Standards	CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 213 Class I Division 2 Group B UL 508 93/68/EEC 89/336/EEC 92/31/EEC CSA C22.2 No 213 Class I Division 2 Group C CSA C22.2 No 142 CSA C22.2 No 213 Class I Division 2 Group D 73/23/EEC IEC 61131-2
Product Certifications	GL BV RINA DNV LR RMRS ABS
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 Conformal coating Humiseal 1A33
Ip Degree Of Protection	IP20
Pollution Degree	2

Ordering and shipping details

Category	22558-TSX PREMIUM, ATRIUM & PL7 PRO
Discount Schedule	PC22
Gtin	3595863942620
Returnability	No
Country Of Origin	FR

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	3.74 in (9.5 cm)
Package 1 Width	7.09 in (18.0 cm)

Package 1 Length	10.24 in (26.0 cm)
Package 1 Weight	21.80 oz (618.0 g)
Unit Type Of Package 2	S03
Number Of Units In Package 2	4
Package 2 Height	11.81 in (30 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	6.59 lb(US) (2.987 kg)

Contractual warranty

Warranty	18 months
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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

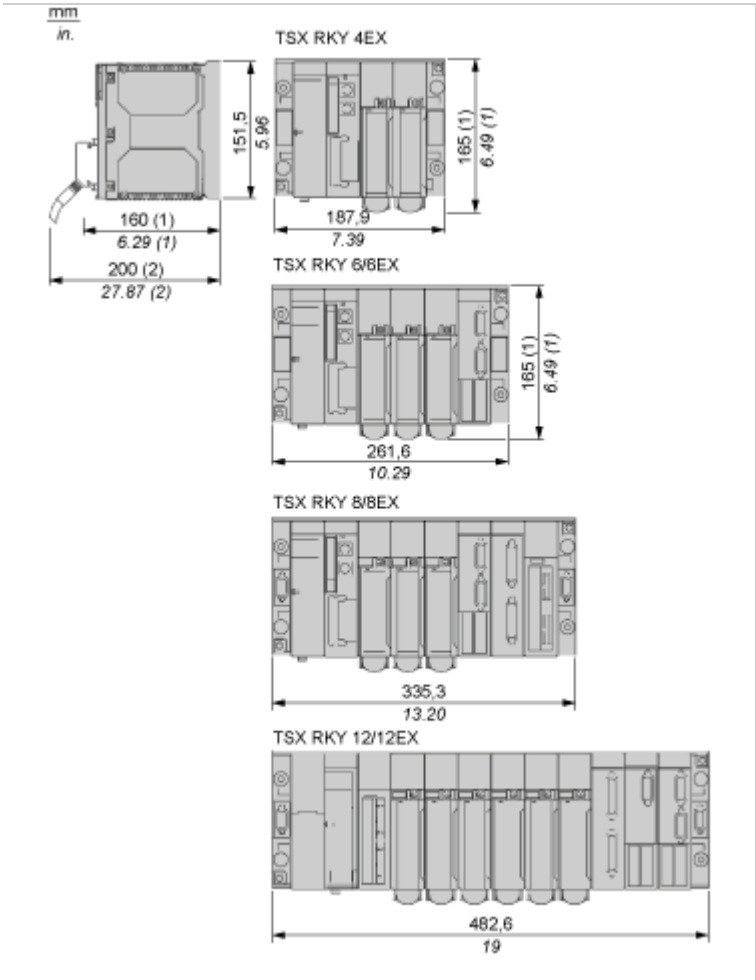
California Proposition 65

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

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.