

# Product datasheet

Specifications



Single-format PL7 processor,  
Modicon Premium, Internal RAM  
80Kwords program & data, 32  
channel, PL7 Junior/Pro

TSXP57353LAM

❗ Discontinued

❗ Discontinued on: 31 Dec 2018

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

## 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	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	Fipio manager (127 agents) SUB-D 9 connector Non isolated serial link 2 female mini DIN connector (19.2/115 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) 96 Kwords data Internal RAM (without PCMCIA card) 80 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 fast task 64 event tasks 1 master task
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

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	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 4.76 Kinst/ms 100 % Boolean without PCMCIA card
System Overhead	0.35 ms for fast task 1 ms for master task
Marking	CE
Local Signalling	1 LED (green) for processor running (RUN) 1 LED (red) 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 (yellow) for activity on the terminal port (TER)
Current Consumption	1650 mA at 5 V DC
Module Format	Standard
Net Weight	0.42 kg

## Environment

Standards	IEC 61131-2 CSA C22.2 No 142 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group B CSA C22.2 No 213 Class I Division 2 Group C 92/31/EEC CSA C22.2 No 213 Class I Division 2 Group A 73/23/EEC UL 508 93/68/EEC CSA C22.2 No 213 Class I Division 2 Group D
Product Certifications	DNV BV LR ABS GL RMRS 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 Height	5.5 cm
Package 1 Width	18.0 cm
Package 1 Length	26.0 cm
Package 1 Weight	588.0 g

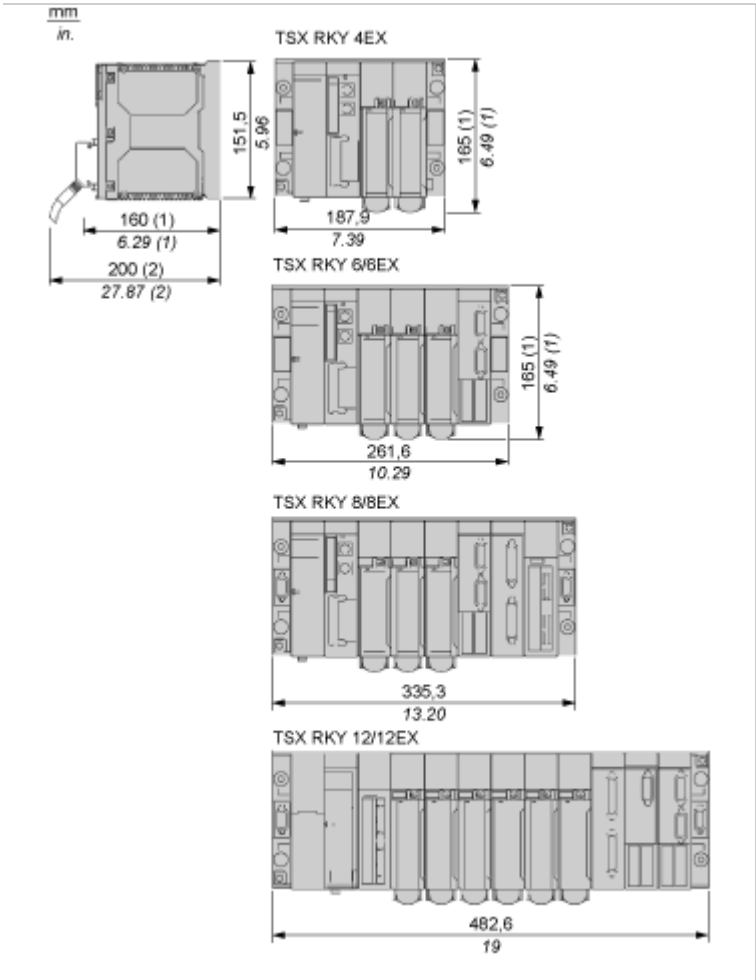
## Contractual warranty

Warranty	18 months
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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.