

TSXP574823AM

Double-format PL7 processor, Modicon Premium, Internal RAM 96Kwords program & data, Ethernet TCP/IP, PL7 Junior/Pro



Main

Range of Product	Modicon Premium Automation platform
Product or Component Type	Double-format PL7 processor
Software designation	PL7 Junior/Pro

Complementary

Concept	Transparent Ready
Number of racks	16 4/6/8 slots 8 12 slots
Number of slots	128 96 64
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 Ethernet TCP/IP RJ4510/100 Mbit/s) 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 %KW constant words located internal data 32768 %Mi located internal bits
Application structure	1 fast task 1 master task 64 event tasks
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
System overhead	0.22 Ms fast task 1.15 ms master task
Marking	CE

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Local signalling	For Ethernet TCP/IP port ready (RUN) 1 LED (green) For processor running (RUN) 1 LED (green) For activity on Fipio bus (FIP) 1 LED (red) For collision detection (COL) 1 LED (red) For Ethernet TCP/IP port fault (ERR) 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) For Ethernet link diagnostics (STS) 1 LED (yellow) For reception activity (RX) 1 LED (yellow) For transmission activity (TX) 1 LED (yellow)
Current consumption	1440 mA 5 V DC
Module format	Double

Environment

Standards	92/31/EEC CSA C22.2 No 142 CSA C22.2 No 213 Class I Division 2 Group B 93/68/EEC UL 508 CSA C22.2 No 213 Class I Division 2 Group D 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group C IEC 61131-2 CSA C22.2 No 213 Class I Division 2 Group A 73/23/EEC
Product Certifications	RMRS[RETURN]RINA[RETURN]DNV[RETURN]BV[RETURN]JGL[RETURN]LR[RETURN]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
IP Degree of Protection	IP20
Pollution degree	2

Ordering and shipping details

Category	22558-TSX PREMIUM, ATRIUM & PL7 PRO
Discount Schedule	PC22
GTIN	3595863914641
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	27.02 oz (766.0 g)
Unit Type of Package 2	S04
Number of Units in Package 2	6
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	15.75 in (40.0 cm)
Package 2 Length	23.62 in (60.0 cm)
Package 2 Weight	10.13 lb(US) (4.596 kg)

Offer Sustainability

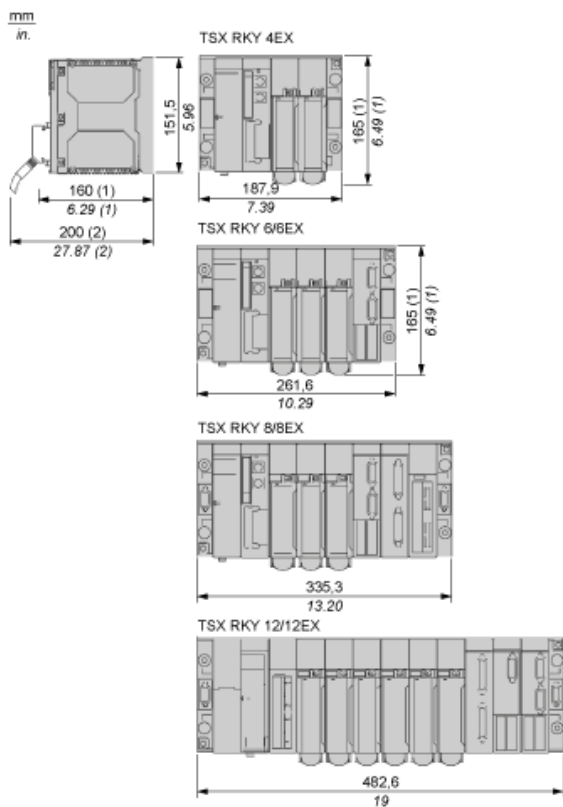
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm.For more information go to www.p65warnings.ca.gov
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Contractual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

Warranty	18 months
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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.