



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	24 32 16
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) Fipio manager (63 agents) SUB-D 9
Communication module processor capacity	1 network module 2 AS-Interface bus modules
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 %KW _i constant words located internal data 4096 %Mi located internal bits
Application structure	1 fast task 1 master 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 3.1 ms master task
Marking	CE
Local signalling	Processor running (RUN) 1 LED green) Activity on Fipio bus (FIP) 1 LED red) I/O module or configuration fault (I/O) 1 LED red) Processor or system fault (ERR) 1 LED red) Activity on the terminal port (TER) 1 LED yellow)
Current consumption	8530 mA 5 V DC
Module format	Standard
Net Weight	0.93 lb(US) (0.42 kg)

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Environment

Standards	IEC 61131-2 93/68/EEC 92/31/EEC CSA C22.2 No 213 Class I Division 2 Group D CSA C22.2 No 142 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group C 73/23/EEC CSA C22.2 No 213 Class I Division 2 Group B UL 508 CSA C22.2 No 213 Class I Division 2 Group A
Product certifications	ABS DNV LR RINA GL RMRS BV
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	00785901292197
Nbr. of units in pkg.	1
Package weight(Lbs)	2.21 lb(US) (1.00 kg)
Returnability	No
Country of origin	FR

Packing Units

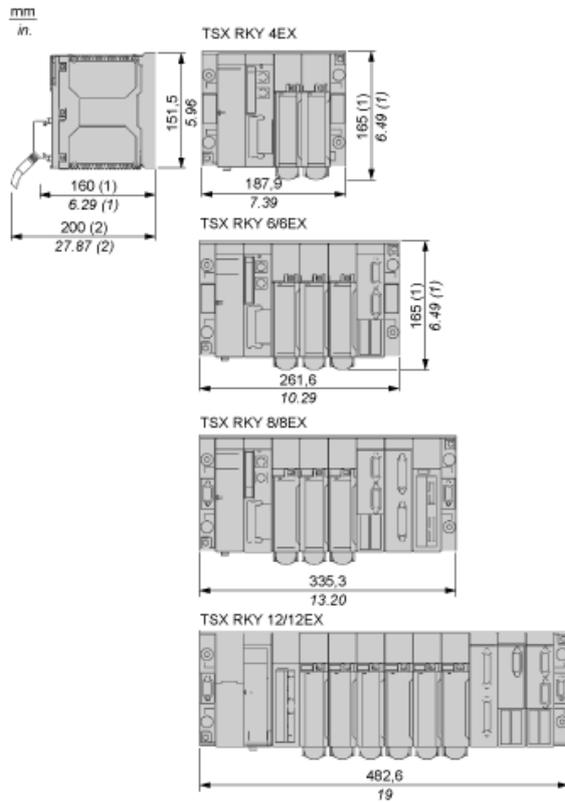
Unit Type of Package 1	PCE
Package 1 Height	2.17 in (5.5 cm)
Package 1 width	7.09 in (18 cm)
Package 1 Length	10.24 in (26 cm)

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.