



Main

Commercial Status	Commercialised
Range of product	Modicon Premium Automation platform
Product or component type	Single-format PL7 processor
Software designation	PL7 Junior/Pro

Complementary

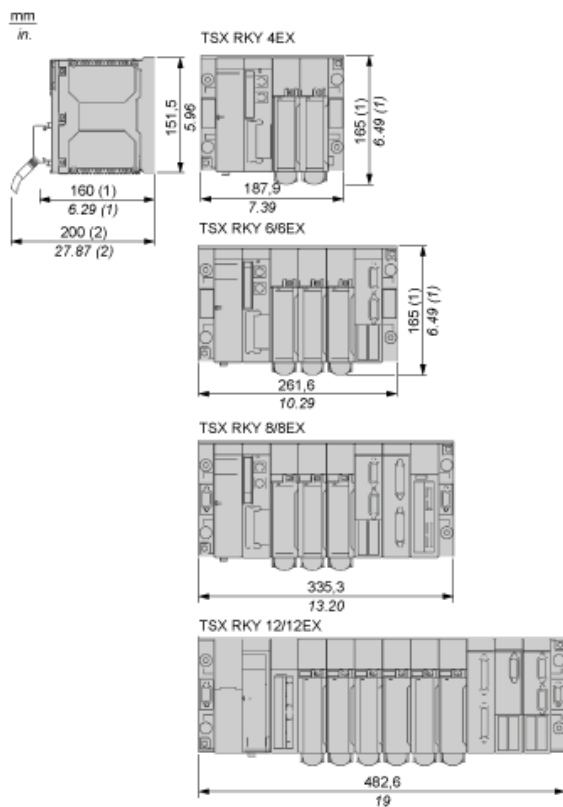
Number of racks	4 4/6/8 slots 2 12 slots
Number of slots	<= 32
Discrete I/O processor capacity	512 I/O
Analogue I/O processor capacity	24 I/O
Number of application specific channel	<= 8
Integrated connection type	Non isolated serial link 2 female mini DIN 19.2 kbit/s
Communication module processor	1 CANopen 2 AS-Interface bus modules 1 network module
Memory description	PCMCIA card 64 Kwords program PCMCIA card 128 Kwords additional data storage Internal RAM (without PCMCIA card) 32 Kwords program and data Internal RAM (with PCMCIA card) 32 Kwords data
Maximum size of object areas	4096 %Mi located internal bits 32 %KWi constant words located internal data 30.5 %MWi internal words located internal data
Application structure	1 fast task 1 master task 32 event tasks
Execution time per instruction	44 µs floating points without PCMCIA card 44 µs floating points with PCMCIA card 0.87 µs word or fixed-point arithmetic with PCMCIA card 0.62 µs word or fixed-point arithmetic without PCMCIA card 0.6 µs Boolean with PCMCIA card 0.5 µs Boolean without PCMCIA card
Number of instructions per ms	1.52 Kinst/ms 100 % Boolean without PCMCIA card 1.18 Kinst/ms 100 % Boolean with PCMCIA card 1.05 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card 0.85 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card
System overhead	1.5 ms master task 0.8 ms fast task
Marking	CE
Local signalling	1 LED yellow activity on the terminal port (TER) 1 LED red processor or system fault (ERR) 1 LED red I/O module or configuration fault (I/O) 1 LED green processor running (RUN)
Current consumption	440 mA 5 V DC
Module format	Standard
Product weight	0.38 kg

Environment

Standards	73/23/EEC 89/336/EEC 92/31/EEC 93/68/EEC CSA C22.2 No 142 IEC 61131-2 UL 508 CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 213 Class I Division 2 Group B CSA C22.2 No 213 Class I Division 2 Group C CSA C22.2 No 213 Class I Division 2 Group D
Product certifications	ABS BV DNV GL LR RINA RMRS
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-25...70 °C
Relative humidity	5...95 % without condensation for storage 10...95 % without condensation for operation
Operating altitude	0...2000 m
Protective treatment	TC
IP degree of protection	IP20
Pollution degree	2

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.