



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	128 64 96
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	Non isolated serial link 2 female mini DIN 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) 80 Kwords data Internal RAM (without PCMCIA card) 64 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 1 master task 64 event tasks
Execution time per instruction	0.12 µs Boolean without PCMCIA card 0.17 µs Boolean with PCMCIA card 0.17 µs word or fixed-point arithmetic without PCMCIA card 2.6 µs floating points with PCMCIA card 0.33 µs word or fixed-point arithmetic with PCMCIA card 2.5 µs floating points without PCMCIA card
Number of instructions per ms	3.08 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card 4.49 Kinst/ms 100 % Boolean with PCMCIA card 4.7 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card 6.57 Kinst/ms 100 % Boolean without PCMCIA card
System overhead	0.29 ms fast task 1.15 ms master task
Marking	CE
Local signalling	1 LED green processor running (RUN) 1 LED red I/O module or configuration fault (I/O) 1 LED red processor or system fault (ERR) 1 LED yellow activity on the terminal port (TER)
Current consumption	1000 mA 5 V DC
Module format	Double
Product weight	1.15 lb(US) (0.52 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	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

Offer Sustainability

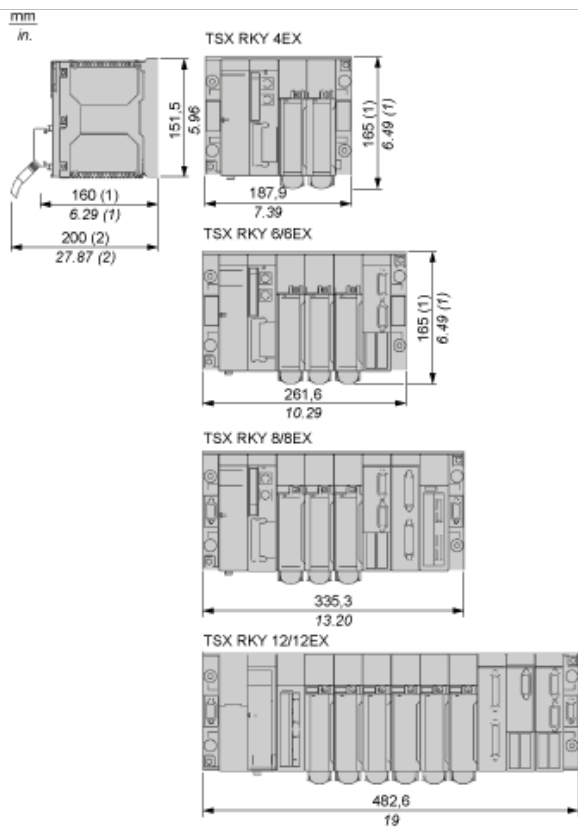
Not Green Premium product	Not Green Premium product
Compliant - since 0935 - Schneider Electric declaration of conformity	Compliant - since 0935 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Need no specific recycling operations	Need no specific recycling operations
WARNING: This product can expose you to chemicals including:	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.	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	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	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.