



has not been replaced. Please contact your customer care center for more information.

⚠ Restricted Sales for Services

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	96 64 128
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 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 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 64 event tasks 1 master task
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 for fast task 1.15 ms for master task
Marking	CE
Local signalling	1 LED (green)processor running (RUN): 1 LED (red)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 (yellow)activity on the terminal port (TER):
Current consumption	1080 mA at 5 V DC
Module format	Double
Net weight	0.56 kg

Environment

Standards	CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 213 Class I Division 2 Group B UL 508 93/68/EEC 89/336/EEC 92/31/EEC CSA C22.2 No 213 Class I Division 2 Group C CSA C22.2 No 142 CSA C22.2 No 213 Class I Division 2 Group D 73/23/EEC IEC 61131-2
Product certifications	GL BV RINA DNV LR RMRS ABS
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 Conformal coating Humiseal 1A33
IP degree of protection	IP20
Pollution degree	2

Contractual warranty

Warranty	18 months
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