



Commercial status

End of Commercialisation :

△ End of Commercialisation

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 96 64
Discrete I/O processor capacity	1024 I/O
Analogue I/O processor capacity	80 I/O
Number of application specific channel	24
Number of process control channel	10 up to 30 simple loops
Integrated connection type	Non isolated serial link 2 female mini DIN connector (19.2 kbit/s) Fipio manager (127 agents) SUB-D 9 connector
Communication module processor capacity	1 fieldbus module (none if CANopen used) 1 network module 4 AS-Interface bus modules 1 CANopen
Memory description	Internal RAM (with PCMCIA card) 64 Kwords data Internal RAM (without PCMCIA card) 64 Kwords program and data PCMCIA card 160 Kwords program PCMCIA card 2688 Kwords additional data storage
Maximum size of object areas	30.5 %MWi internal words located internal data 32 %KW constant words located internal data 8132 %Mi located internal bits
Application structure	1 master task 1 fast task 64 event tasks
Execution time per instruction	0.19 µs Boolean without PCMCIA card 0.21 µs Boolean with PCMCIA card 0.25 µs word or fixed-point arithmetic without PCMCIA card 0.42 µs word or fixed-point arithmetic with PCMCIA card 2.6 µs floating points with PCMCIA card 2.6 µs floating points without PCMCIA card
Number of instructions per ms	2.5 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card 3.57 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card 3.7 Kinst/ms 100 % Boolean with PCMCIA card 4.76 Kinst/ms 100 % Boolean without PCMCIA card
System overhead	0.35 Ms for fast task 1.2 Ms for master task
Marking	CE

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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	820 mA at 5 V DC
Module format	Double
Net weight	0.56 Kg

Environment

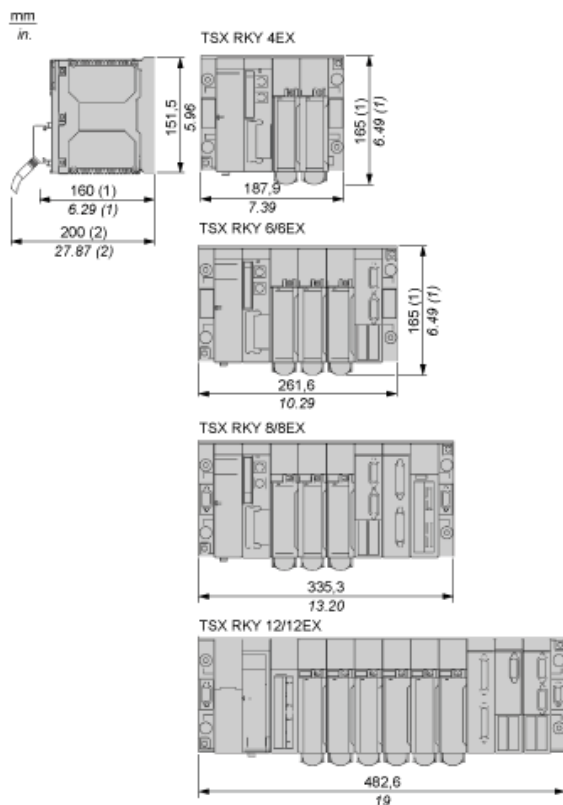
Standards	CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 213 Class I Division 2 Group B UL 508 IEC 61131-2 73/23/EEC CSA C22.2 No 213 Class I Division 2 Group D 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group C 93/68/EEC CSA C22.2 No 142 92/31/EEC
Product certifications	RMRS ABS LR DNV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

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.

Product Life Status : **Post commercialisation**

TSXP57253MC may be replaced by any of the following products:



BMEP582020H

processor module M580 - Level 2 - Distributed Harsh

Qty 1

Reason for Substitution: End of life | Substitution date: 31 Dec 2017 | Not same dimensions/design - better performances, more services provided