TSXP572623MC

double-format PL7 processor - transparent ready - 820 mA 5 V DC

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

Concept	Transparent Ready
Number of racks	16 4/6/8 slots 8 12 slots
Number of slots	96 128 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) Ethernet TCP/IP RJ45 connector (10/100 Mbit/s)
Communication module processor capacity	1 fieldbus module (none if CANopen used) 4 AS-Interface bus modules 1 CANopen
Memory description	Internal RAM (with PCMCIA card) 48 Kwords data Internal RAM (without PCMCIA card) 48 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 %KWi constant words located internal data 8132 %Mi located internal bits
Application structure	1 fast task 64 event tasks 1 master task
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 Ms for master task

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Marking	CE
Local signalling	1 LED (green)Ethernet TCP/IP port ready (RUN):
	1 LED (green)processor running (RUN):
	1 LED (red)collision detection (COL):
	1 LED (red)Ethernet TCP/IP port fault (ERR):
	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):
	1 LED (yellow)Ethernet link diagnostics (STS):
	1 LED (yellow)reception activity (RX):
	1 LED (yellow)transmission activity (TX):
Current consumption	1110 mA at 5 V DC
Module format	Double

Environment

Standards	CSA C22.2 No 142
	CSA C22.2 No 213 Class I Division 2 Group C
	73/23/EEC
	CSA C22.2 No 213 Class I Division 2 Group A
	CSA C22.2 No 213 Class I Division 2 Group B
	92/31/EEC
	UL 508
	IEC 61131-2
	CSA C22.2 No 213 Class I Division 2 Group D
	89/336/EEC
	93/68/EEC
Product certifications	RINA
	ABS
	GL
	DNV
	BV
	LR
	RMRS
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

Schneider Electric

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks
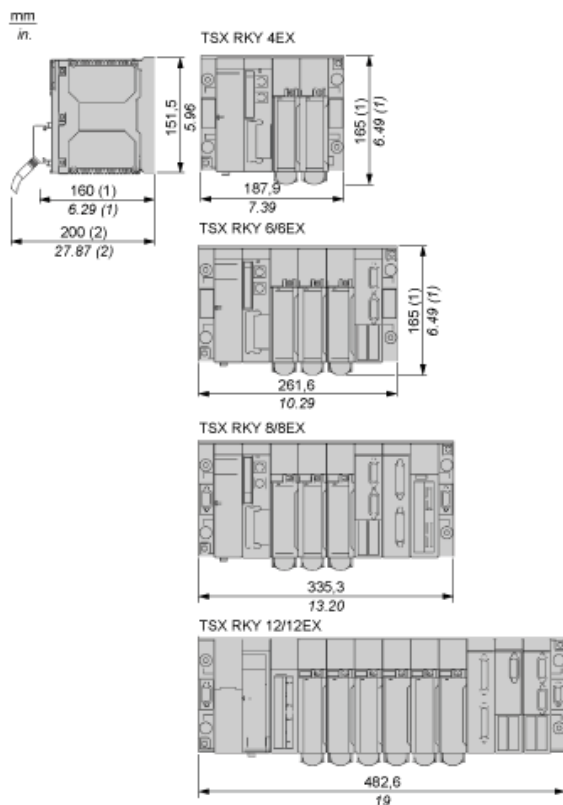
(1) With screw terminal block modules.

(2) Maximum depth for all types of modules and their associated connectors.

Product Life Status :	Post commercialisation

TSXP572623MC 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

BMEP582020H

processor module M580 - Level 2 - Distributed Harsh

Qty 1

Reason for Substitution: End of life | Substitution date: 31 Dec 2017 |