Product datasheet

Specifications

Double format PL7 processor, Modicon Premium, Internal RAM 48Kwords program & data, transparent ready, PL7 Junior/Pro

TSXP572623M

(!) **Discontinued**

(!) Discontinued on: 31 Dec 2018

(!) End-of-service on: 31 Dec 2023

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	64 96 128
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 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 ms for master task
marking	CE
Local signalling	1 LED (green) for Ethernet TCP/IP port ready (RUN)
	1 LED (green) for processor running (RUN)
	1 LED (red) for collision detection (COL)
	1 LED (red) for Ethernet TCP/IP port fault (ERR)
	1 LED (red) for I/O module or configuration fault (I/O)
	1 LED (red) for processor or system fault (ERR)
	1 LED (yellow) for activity on the terminal port (TER)
	1 LED (yellow) for Ethernet link diagnostics (STS)
	1 LED (yellow) for reception activity (RX)
	1 LED (yellow) for transmission activity (TX)
Current consumption	1110 mA at 5 V DC
Module format	Double
net weight	0.76 kg

Environment

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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.5 cm
Package 1 Width	18.0 cm
Package 1 Length	26.0 cm
Package 1 Weight	759.0 g

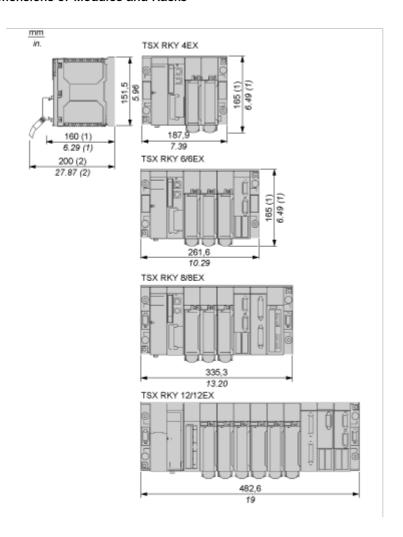Life Is On | Schneider Electric

Contractual warranty

Warranty 18 months

Dimensions Drawings

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.