

Product data sheet

Specifications



double-format PL7 processor - transparent ready - 1180 mA 5 V DC

TSXP572823MC

⚠ Discontinued on: 8 Feb 2021

⚠ End-of-service on: 31 Dec 2025

⚠ Discontinued - Service only

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	128 64 96
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 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) 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 %KWi constant words located internal data 8132 %Mi located internal bits
Application structure	1 fast task 1 master 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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

System overhead	0.35 ms for fast task 1.2 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 activity on Fipio bus (FIP) 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	1180 mA at 5 V DC
Module format	Double

Environment

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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.500 cm
Package 1 Width	18.000 cm
Package 1 Length	26.000 cm
Package 1 Weight	744.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	2

Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	1.943 kg

Contractual warranty

Warranty (in months)	18
----------------------	----



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

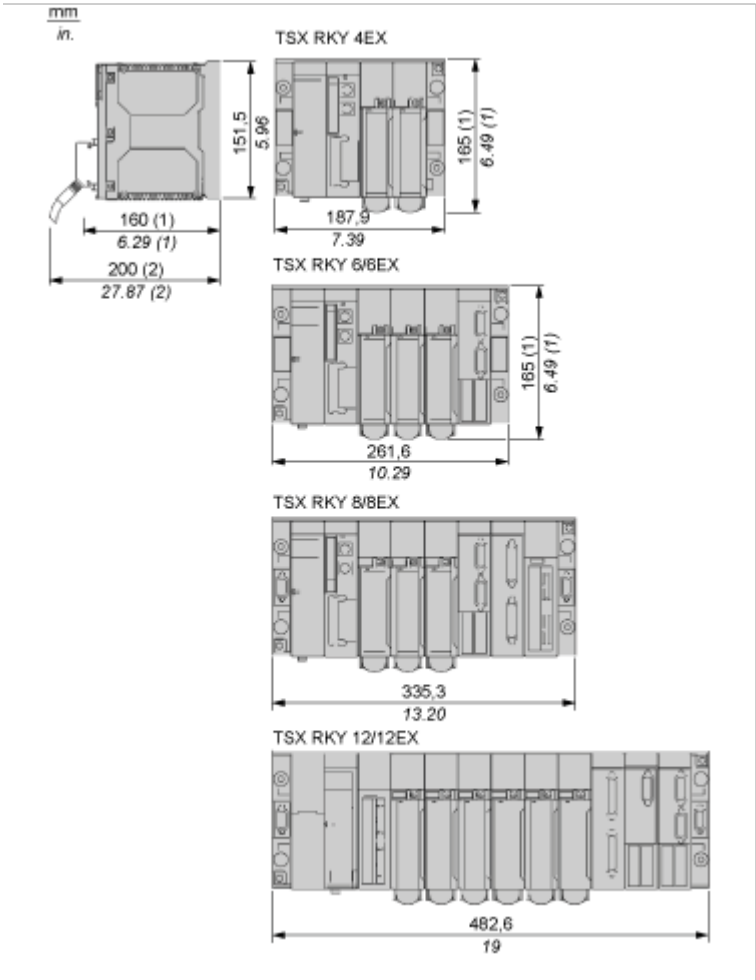
Use Longer

Lifetime extension	
Repair	No

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.