Product datasheet

Specifications

Unity processor - 1 rack (4/6/8 slots)/1 rack (12 slots) - 1,1 module processor

TSXP570244M

⊘ Discontinued on: 30 Jun 2008

⊘ End-of-service on: 30 Jun 2014

⊘ **Discontinued**

EAN Code: 3595863827354

Main

Range of product	Modicon Premium Automation platform
Product or component type	Unity processor
Software designation	Unity Pro

Complementary

Number of racks	1 12 slots 1 4/6/8 slots
Number of slots	12 6 8
Discrete I/O processor capacity	256 I/O
Analogue I/O processor capacity	12 I/O
Number of application specific channel	4
Integrated connection type	Non isolated serial link 2 female mini DIN connector (RS485) (19.2 kbit/s) CANopen
Communication module processor capacity	1
Memory description	Internal RAM (with PCMCIA card) 128 kB program Internal RAM (with PCMCIA card) 96 kB data Internal RAM (without PCMCIA card) 96 kB program and data PCMCIA card 256 kB additional data storage
Maximum size of object areas	32 kB (elementary and derived data) unlocated internal data 4096 %Mi located internal bits 64 %KWi constant words located internal data 64 %MWi internal words located internal data 64 kB (DFB and EFB function blocks) unlocated internal data
Application structure	32 event tasks 1 fast task 1 master task
Execution time per instruction	0.19 µs Boolean without PCMCIA card 0.25 µs Boolean with PCMCIA card 0.25 µs word or fixed-point arithmetic without PCMCIA card 0.5 µs word or fixed-point arithmetic with PCMCIA card 1.75...2.6 µs floating points with PCMCIA card 1.75...2.6 µs floating points without PCMCIA card
Number of instructions per ms	2.1 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card 3.1 Kinst/ms 100 % Boolean with PCMCIA card 3.71 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card 4.76 Kinst/ms 100 % Boolean without PCMCIA card
System overhead	0.3 ms for fast task 1 ms for master task

Marking	CE
Local signalling	1 LED (green) for processor running (RUN) 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 TER or AUX terminal port (TER)
Current consumption	850 mA at 5 V DC
Module format	Standard
Net weight	0.32 kg

Environment

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

Contractual warranty

Warranty (in months)	18

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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 ›
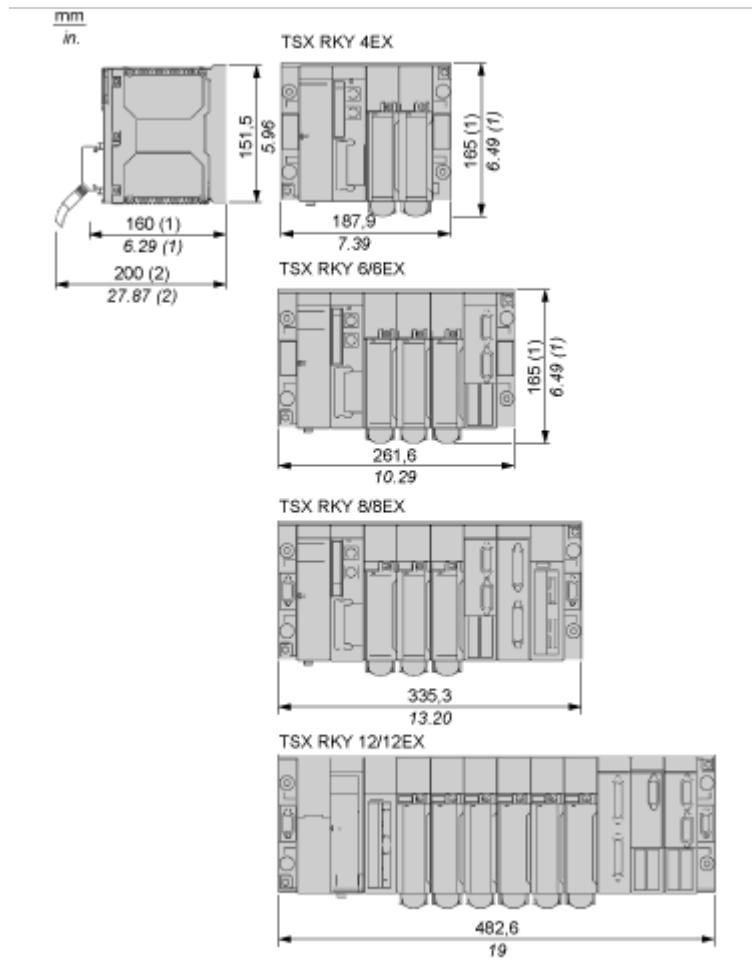
Use Longer

⟳ 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.