TSXP57104M

Unity processor - 2 racks (12 slots) / 4 racks (4/6/8 slots) - 850 mA, 5 V DC



Main

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

Complementary

Complementary	
Number of racks	2 12 slots 4 4/6/8 slots
Number of slots	16 24 32
Discrete I/O processor capacity	512 I/O
Analogue I/O processor capacity	24 I/O
Number of application specific channel	8
Integrated connection type	Non isolated serial link 2 female mini DIN RS485)19.2 kbit/s)
Communication module processor capacity	2 1
Memory description	Internal RAM (with PCMCIA card) 224 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 master task 1 fast 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 1.752.6 μs floating points with PCMCIA card 1.752.6 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 fast task 1 ms master task
Marking	CE
Local signalling	Processor running (RUN) 1 LED green) I/O module or configuration fault (I/O) 1 LED red) Processor or system fault (ERR) 1 LED red) Activity on TER or AUX terminal port (TER) 1 LED yellow)
Current consumption	850 mA 5 V DC
Module format	Standard
Net Weight	0.84 lb(US) (0.38 kg)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not inherenced as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the documentation is not be used to perform the appropriate and complete risk analysis, evaluation of the products with respect to the relevant specific application or use thereof. Neither Schmeider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

	CSA C22.2 No 213 Class I Division 2 Group A 73/23/EEC
	89/336/EEC
	UL 508 92/31/EEC
	93/68/EEC
	CSA C22.2 No 142 CSA C22.2 No 213 Class I Division 2 Group C
	CSA C22.2 No 213 Class I Division 2 Group C
	CSA C22.2 No 213 Class I Division 2 Group B
	IEC 61131-2
Product certifications	RMRS GL
	LR
	ABS BV
	DNV
	RINA
Ambient air temperature for operation	32140 °F (060 °C)
Ambient air temperature for storage	-13158 °F (-2570 °C)
Relative humidity	1095 % without condensation for operation 595 % without condensation for storage
Operating altitude	06561.68 ft (02000 m)
Protective treatment	TC
ID I G I II	IP20
IP degree of protection	11 20
	2
Pollution degree	
Pollution degree Ordering and shipping details	
Pollution degree Ordering and shipping details Category	2
Pollution degree Ordering and shipping details Category Discount Schedule	2 22558 - TSX PREMIUM, ATRIUM & PL7 PRO
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Pollution degree Ordering and shipping details Category Discount Schedule GTIN Nbr. of units in pkg.	2 22558 - TSX PREMIUM, ATRIUM & PL7 PRO PC22 00785901573869
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18 months

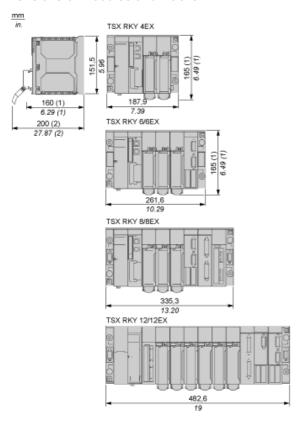
Contractual warranty

Warranty

TSXP57104M

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.