Product data sheet
Characteristics

TSXP57253M
Double-format PL7 processor, Modicon Premium, Internal RAM 64Kwords program & data, 24 channel, PL7 Junior/Pro

Main

Range of Product	Modicon Premium Automation platform
Product or Component Type	Double-format PL7 processor
Software Designation	PL7 Junior/Pro

Complementary

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 DIN19.2 kbit/s) Fipio manager (127 agents) SUB-D 9
Communication module processor capacity	1 fieldbus module (none if CANopen used) 1 network module 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 master task 64 event tasks 1 fast 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 fast task 1.2 ms master task
Marking	CE

Local signalling	For processor running (RUN) 1 LED (green)
	For activity on Fipio bus (FIP) 1 LED (red)
	For I/O module or configuration fault (I/O) 1 LED (red)
	For processor or system fault (ERR) 1 LED (red)
	For activity on the terminal port (TER) 1 LED (yellow)
Current consumption	820 mA 5 V DC
Module format	Double
Net Weight	1.23 lb(US) (0.56 kg)

Environment

Standards	CSA C22.2 No 213 Class I Division 2 Group A
	CSA C22.2 No 142
	IEC 61131-2
	UL 508
	73/23/EEC
	89/336/EEC
	CSA C22.2 No 213 Class I Division 2 Group C
	CSA C22.2 No 213 Class I Division 2 Group B
	CSA C22.2 No 213 Class I Division 2 Group D
	92/31/EEC
	93/68/EEC
Product Certifications	GL[RETURN]RINA[RETURN]DNV[RETURN]LR[RETURN]ABS[RETURN]BV[RETURN]RMRS
Ambient Air Temperature for Operation	32…140 °F (0…60 °C)
Ambient Air Temperature for Storage	-13…158 °F (-25…70 °C)
Relative Humidity	10…95 % without condensation for operation
	5…95 % without condensation for storage
Operating altitude	0...6561.68 ft (0...2000 m)
Protective treatment	TC
IP Degree of Protection	IP20
Pollution degree	2

Ordering and shipping details

Category	22558-TSX PREMIUM, ATRIUM & PL7 PRO
Discount Schedule	PC22
GTIN	3595862023788
Returnability	No
Country of origin	FR

Packing Units

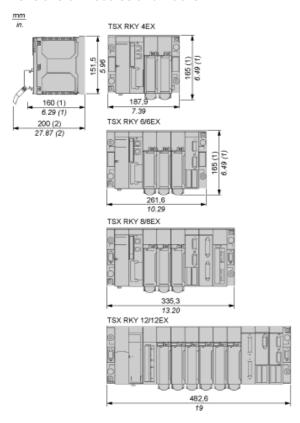| Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.74 in (9.5 cm)
Package 1 Width	7.09 in (18.0 cm)
Package 1 Length	10.24 in (26.0 cm)
Package 1 Weight	23.35 oz (662.0 g)

Contractual warranty

Warranty	18 months

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.