Product data sheet
Characteristics

TSXP57303AM
double-format PL7 processor - 1000 mA - IP20

Product availability : Non-Stock - Not normally stocked in distribution facility

Main

Range of product	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	128 96 64
Discrete I/O processor capacity	1024 I/O
Analogue I/O processor capacity	128 I/O
Number of application specific channel	32
Number of process control channel	15 up to 45 simple loops
Integrated connection type	Non isolated serial link 2 female mini DIN19.2/115 kbit/s)
Communication module processor capacity	2 fieldbus modules (1 if CANopen used) 8 AS-Interface bus modules 1 CANopen 3 network module
Memory description	Internal RAM (with PCMCIA card) 80 Kwords data Internal RAM (without PCMCIA card) 64 Kwords program and data PCMCIA card 2688 Kwords additional data storage PCMCIA card 384 Kwords program
Maximum size of object areas	16384 %Mi located internal bits 30.5 %MWi internal words located internal data 32 %KWi constant words located internal data
Application structure	1 master task 64 event tasks 1 fast task
Execution time per instruction	2.6 µs floating points with PCMCIA card 0.12 µs Boolean without PCMCIA card 0.17 µs Boolean with PCMCIA card 0.17 µs word or fixed-point arithmetic without PCMCIA card 0.33 µs word or fixed-point arithmetic with PCMCIA card 2.5 µs floating points without PCMCIA card
Number of instructions per ms	3.08 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card 4.49 Kinst/ms 100 % Boolean with PCMCIA card

4.7 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card
6.57 Kinst/ms 100 % Boolean without PCMCIA card

System overhead	0.29 ms fast task 1.15 ms master task
Marking	CE
Local signalling	for processor running (RUN) 1 LED (green) 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	1000 mA 5 V DC
Module format	Double
Net Weight	1.15 lb(US) (0.52 kg)

Environment

Standards	CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 213 Class I Division 2 Group C CSA C22.2 No 213 Class I Division 2 Group B 92/31/EEC IEC 61131-2 93/68/EEC 73/23/EEC UL 508 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group D CSA C22.2 No 142
Product certifications	RMRS GL BV LR ABS DNV RINA
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	00785901574750
Nbr. of units in pkg.	1
Package weight(Lbs)	2.21 lb(US) (1.00 kg)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	3.74 in (9.5 cm)
Package 1 width	7.09 in (18 cm)
Package 1 Length	10.24 in (26 cm)