TSXP57303AM
double-format PL7 processor - 1000 mA - IP20

Commercial status

Discontinued on: 31 December 2018

To be end-of-service on: 31 December 2026

⚠ Restricted Sales for Services

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	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 DIN connector (19.2/115 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 for fast task
	1.15 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 the terminal port (TER)
Current consumption	1000 mA at 5 V DC
Module format	Double
Net weight	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	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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	646 g
Package 1 Height	9.5 cm
Package 1 width	18 cm
Package 1 Length	26 cm

Contractual warranty

Warranty	18 months

TSXP57303AM is replaced by:

Standard environment BMEP583020

processor module M580 - Level 3 - Distributed

Qty 1

Reason for Substitution: End of life | Substitution date: 30 September 2019 | This is not interchangeable but an equivalent functional product in the Modicon M580/X80 range. Please contact technical support about your migration options.