Product data sheet
Characteristics

TSXP57354MC
Unity processor - 8 racks (12 slots) / 16 racks (4/6/8 slots) - 1180 mA, 5 V DC

has not been replaced. Please contact your customer care center for more information.

⚠ Restricted Sales for Services

Main

Range of product	Modicon Premium Automation platform
Product or component type	Unity processor
Software designation	Unity 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 (RS485) (19.2/115 kbit/s) Fipio manager (127 agents) SUB-D 9 connector
Communication module processor capacity	1 3 8
Memory description	Internal RAM (with PCMCIA card) 1792 kB program Internal RAM (with PCMCIA card) 208 kB data Internal RAM (without PCMCIA card) 208 kB program and data PCMCIA card 16384 kB additional data storage
Maximum size of object areas	16384 %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 64 kB (elementary and derived data) unlocated internal data
Application structure	64 event tasks 1 master task 1 fast task
Execution time per instruction	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 0.32 µs word or fixed-point arithmetic with PCMCIA card 1.75...3 µs floating points with PCMCIA card 1.75...3 µs floating points without PCMCIA card
Number of instructions per ms	3.11 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card

4.59 Kinst/ms 100 % Boolean with PCMCIA card
5.11 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card
6.72 Kinst/ms 100 % Boolean without PCMCIA card

System overhead	0.35 ms for fast task 1 ms for master task
Marking	CE
Local signalling	1 LED (green)processor running (RUN): 1 LED (red)activity on Fipio bus (FIP): 1 LED (red)I/O module or configuration fault (I/O): 1 LED (red)processor or system fault (ERR): 1 LED (yellow)activity on TER or AUX terminal port (TER):
Current consumption	1180 mA at 5 V DC
Module format	Double
Net weight	0.56 kg

Environment

Standards	UL 508 CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 213 Class I Division 2 Group C 93/68/EEC 73/23/EEC IEC 61131-2 92/31/EEC 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group B CSA C22.2 No 142 CSA C22.2 No 213 Class I Division 2 Group D
Product certifications	BV DNV GL LR RINA ABS RMRS
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 Conformal coating Humiseal 1A33
IP degree of protection	IP20
Pollution degree	2

Contractual warranty

Warranty	18 months