

(!) Discontinued

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

TSXP57354MC

- ! Discontinued on: Dec 31, 2017
- ! To be end-of-service on: Dec 31, 2025

## 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 RS485)19.2/115 kbit/s) Fipio manager (127 agents) SUB-D 9
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 1.753 µs floating points with PCMCIA card 1.753 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

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

6.72 Kinst/ms 100 % Boolean without PCMCIA card

System Overhead	0.35 ms fast task 1 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 TER or AUX terminal port (TER) 1 LED (yellow)	
Current Consumption	1180 mA 5 V DC	
Module Format	Double	
Net Weight	1.23 lb(US) (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	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 Conformal coating Humiseal 1A33
Ip Degree Of Protection	IP20
Pollution Degree	2

# Ordering and shipping details

Category	22558-TSX PREMIUM, ATRIUM & PL7 PRO
Discount Schedule	PC22
Gtin	3595863942255
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	22.36 oz (634.0 g)
Unit Type Of Package 2	S03
Number Of Units In Package 2	4
Package 2 Height	11.81 in (30 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	6.73 lb(US) (3.051 kg)

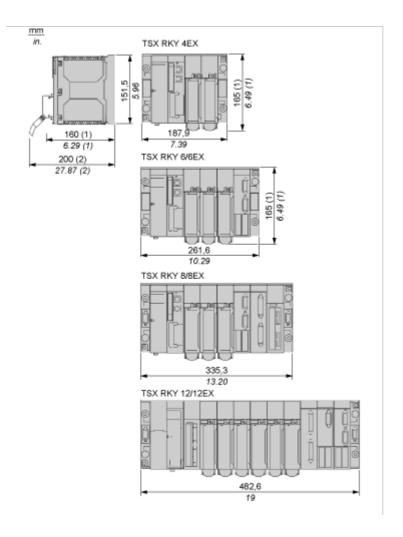
# **Contractual warranty**

Warranty 18 months

### **Dimensions Drawings**

### 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.