

# Product data sheet

Specifications



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

TSXP57304MC

! Discontinued - Service only

! Discontinued on: Dec 2, 2020

! 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	96 128 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)
Communication Module Processor Capacity	1 3 8
Memory Description	Internal RAM (with PCMCIA card) 1792 kB program Internal RAM (with PCMCIA card) 192 kB data Internal RAM (without PCMCIA card) 192 kB program and data PCMCIA card 16384 kB additional data storage
Maximum Size Of Object Areas	16384 %Mi located internal bits 64 %KW constant words located internal data 64 %MW 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 fast task 1 master 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

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

System Overhead	0.35 ms fast task 1 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 TER or AUX terminal port (TER) 1 LED (yellow)
Current Consumption	1100 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 D CSA C22.2 No 213 Class I Division 2 Group C CSA C22.2 No 142 73/23/EEC CSA C22.2 No 213 Class I Division 2 Group B 93/68/EEC 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group A 92/31/EEC IEC 61131-2 UL 508
Product Certifications	DNV BV GL RMRS ABS LR 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 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	3595863942071
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	21.80 oz (618.0 g)
Unit Type Of Package 2	S03
Number Of Units In Package 2	4
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	6.59 lb(US) (2.987 kg)

## Contractual warranty

Warranty	18 months
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

### California Proposition 65

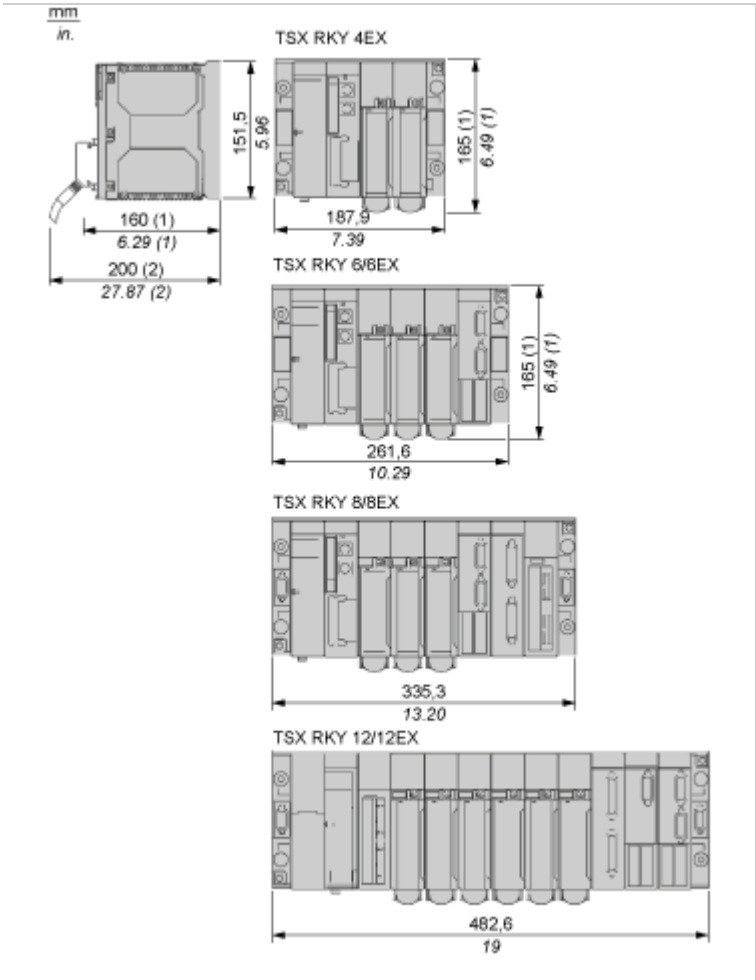
WARNING: This product can expose you to chemicals including: Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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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.