

Product data sheet

Specifications



Multi axis control module, Modicon Premium, for SERCOS digital servo drives, 4Mbit/s, 9W, 1800 mA at 5VDC, 16 axis

TSXCSY164

! Discontinued - Service only

! Discontinued on: Dec 31, 2018

! To be end-of-service on: Dec 31, 2026

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

Main

Range of Product	Modicon Premium Automation platform
Product or Component Type	Multi axis control module
Product Specific Application	SERCOS digital servo drives
Number of channels	32
Number of axis	16 configurable
Path function	Following of auxiliary axes Simple linear
Communication Network Type	SERCOS 2
Structure type	Industrial EN 61491

Complementary

Set of axes	4 followers 4 coordinated
Cam profile	7
Topology	Ring
Transmission support medium	Fiber optic cable
Transmission Rate	4 Mbit/s
Cycle time	2 ms 2 2 ms 4 3 ms 12 4 ms 16 2 ms 8
maximum number of segment of SERCOS network	9
Maximum optic fiber length	492.1 ft (150 m) glass 124.7 ft (38 m) plastic
Maximum length of segment	328.08 ft (100 m) bus X
Power dissipation in W	9 W
Local signalling	1 LED (green) for module operating (RUN) 1 LED (red) for external fault (I/O) 1 LED (red) for internal fault, module failure (ERR) 1 LED (yellow) for flashing indicates data transmission and reception 1 LED (yellow) for flashing module reinitializing (INI) 24 LEDs (green) for channel diagnostic

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

Current consumption	1800 mA 5 V DC
Product Weight	1.15 lb(US) (0.52 kg)

Environment

Standards	EN/IEC 61491
IP Degree of Protection	IP20
Ambient Air Temperature for Operation	32...140 °F (0...60 °C)
Relative Humidity	10...95 % without condensation

Ordering and shipping details

Category	US1PC2222558
Discount Schedule	PC22
GTIN	3595862070027
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	3.7 in (9.5 cm)
Package 1 Width	7.09 in (18.0 cm)
Package 1 Length	10.2 in (26.0 cm)
Package weight(Lbs)	25.7 oz (728.0 g)

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better

Materials and Substances	
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

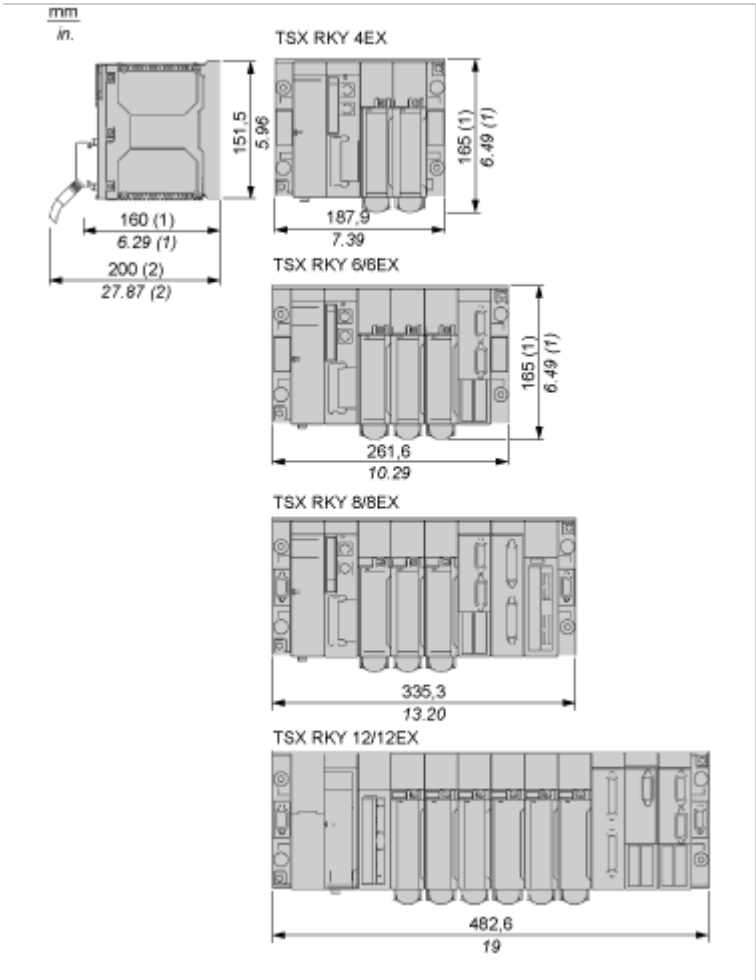
Use Longer

Lifetime extension	
Repair	No

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.