Product data sheet

Specifications

coated InterBus bus module - industrial bus - for Premium PLC - 500 mA at 5 V DC

TSXIBY100C

⚠ **Discontinued on:** Dec 2, 2020

⚠ **End-of-service on:** Jun 30, 2022

⚠ **Discontinued - Service only**

Main

Range Of Product	Modicon Premium Automation platform
Product Or Component Type	InterBus bus module
Product Specific Application	For Premium PLC
Structure Type	Industrial bus
Number Of Tap-Offs	<= 16 remote bus

Complementary

Physical Interface	Combined interface InterBus loop RS485 remote bus RS485 with 24 V DC in cable installation remote bus TTL local bus
Method Of Access	Master/slave generation 4
Mode Of Transmission	NRZ
Transmission Rate	500 kbit/s
Transmission Support Medium	2 x 1.5 mm² InterBus loop Fiber optic remote bus Infrared remote bus Rotating collector remote bus Twisted pair remote bus Wave guide rail remote bus
Maximum Length Of Segment	656.17 ft (200 m) InterBus loop 1312.34 ft (400 m) remote bus
Maximum Cable Distance Between Devices	4.92 ft (1.5 m) local bus between 2 bus terminals modules 4.92 ft (1.5 m) local bus between bus terminal module and first module 32.81 ft (10 m) InterBus loop between 2 bus terminals modules 32.81 ft (10 m) local bus between bus terminal module and last module 328.08 ft (100 m) InterBus loop between bus terminal module and last module 41994.75 ft (12800 m) remote bus between module and last station on the remote bus 65.62 ft (20 m) InterBus loop between bus terminal module and first module 1312.34 ft (400 m) remote bus between 2 bus terminals modules 1312.34 ft (400 m) remote bus between module and the first bus terminal module 164.04 ft (50 m) installation remote bus between 2 bus terminals modules 164.04 ft (50 m) between bus terminal module and first module 164.04 ft (50 m) installation remote bus between bus terminal module and last module
Number Of Loops	1 InterBus loop
Number Of Bus Terminals Module	254 remote bus
Number Of Server Device(S)	512 remote bus 63 InterBus loop 8 local bus

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

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Maximum Input/Output Number	Remote bus 4096 3872 3872
Communication Service	Bus operating modes management Cyclical variable exchange Logical addressing PMS messaging Pre-processing Segmentation Implicit exchange of data process 242 %IW 242 %QW
Local Signalling	6 LEDs
Electrical Connection	1 connector female SUB-D 9 RS232 CMD tool software support 1 connector female SUB-D 9 RS485 Interbus link
Current Consumption	500 mA 5 V DC
Module Format	Standard
Protective Treatment	Conformal coating Humiseal 1A33
Net Weight	0.71 lb(US) (0.32 kg)

Environment

Ambient Air Temperature For Operation	32…140 °F (0…60 °C)
Ambient Air Temperature For Storage	-13…158 °F (-25…70 °C)
Relative Humidity	5…95 % without condensation
Operating Altitude	0...6561.68 ft (0...2000 m)
Ip Degree Of Protection	IP20

Ordering and shipping details

Category	22558-TSX PREMIUM, ATRIUM & PL7 PRO
Discount Schedule	PC22
Gtin	3595863969979
Returnability	No
Country Of Origin	FR

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.17 in (5.5 cm)
Package 1 Width	7.09 in (18.0 cm)
Package 1 Length	10.24 in (26.0 cm)
Package 1 Weight	18.45 oz (523.0 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	91.96 oz (2607.0 g)

Contractual warranty

Warranty   18 months

Sustainability

Green Premium^{TM} 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_2 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 ›
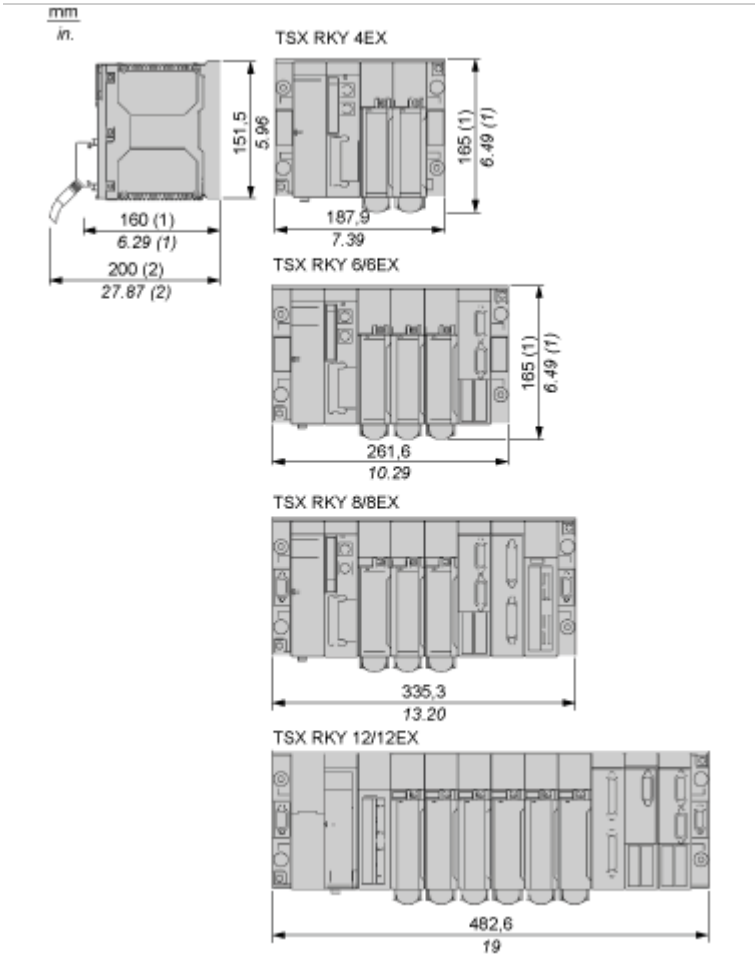
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

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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.