

TSXIBY100

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



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	TTL local bus RS485 with 24 V DC in cable installation remote bus RS485 remote bus Combined interface InterBus loop
Method of access	Master/Slave generation 4
Mode of transmission	NRZ
Transmission rate	500 kbit/s
Transmission support medium	Wave guide rail remote bus Twisted pair remote bus Rotating collector remote bus Infrared remote bus Fiber optic remote bus 2 x 1.5 mm ² InterBus loop
Length of segment	<= 400 m remote bus <= 200 m InterBus loop
Cable length	<= 50 m installation remote bus between bus terminal module and last module <= 50 m between bus terminal module and first module <= 50 m installation remote bus between 2 bus terminals modules <= 400 m remote bus between module and the first bus terminal module <= 400 m remote bus between 2 bus terminals modules <= 20 m InterBus loop between bus terminal module and first module <= 12800 m remote bus between module and last station on the remote bus <= 100 m InterBus loop between bus terminal module and last module <= 10 m local bus between bus terminal module and last module <= 10 m InterBus loop between 2 bus terminals modules <= 1.5 m local bus between bus terminal module and first module <= 1.5 m local bus between 2 bus terminals modules
Number of loops	1 InterBus loop
Number of bus terminals module	<= 254 remote bus
Number of slave	<= 8 local bus <= 63 InterBus loop <= 512 remote bus
Input/Output number	<= 4096 <= 3872 <= 3872 remote bus
Communication service	Implicit exchange of data process 242 %IW 242 %QW Segmentation Pre-processing PMS messaging Logical addressing Cyclical variable exchange Bus operating modes management
Local signalling	6 LEDs
Electrical connection	1 connector female SUB-D 9 RS485 Interbus link 1 connector female SUB-D 9 RS232 CMD tool software support
Current consumption	500 mA 5 V DC

Module format	Standard
Product weight	0.32 kg

Environment

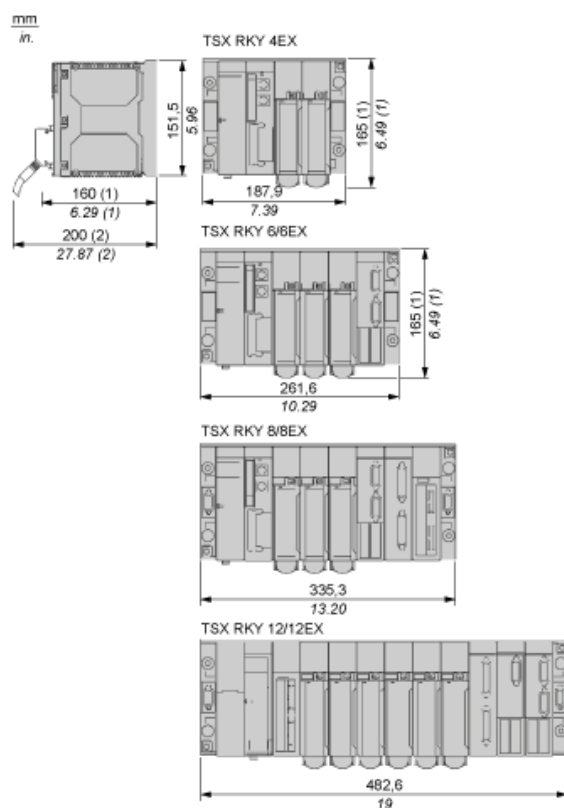
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-25...70 °C
Relative humidity	5...95 % without condensation
Operating altitude	0...2000 m
IP degree of protection	IP20

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS	Compliant - since 0809 - Schneider Electric declaration of conformity download declaration of conformity

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.