

Product datasheet

Specifications



Communication module, Modicon Premium, multiprotocol, Unity Pro, 350mA at 5VDC

TSXSCY21601

⚠ To be discontinued on: 31 Dec 2026

⚠ To be end-of-service on: 31 Dec 2026

⚠ Discontinued - Service only

Main

Range of product	Modicon Premium Automation platform
Product or component type	Communication module
Software designation	Unity Pro
Structure type	Heterogeneous industrial bus

Complementary

Product compatibility	Premium Atrium
Method of access	Master/slave type
Integrated connection type	1 serial link: 1 SUB-D 25 connector 1 slot for PCMCIA type III card
Communication port protocol	Multiprotocol
Communication port support	RS485 isolated
Mode of transmission	Asynchronous in baseband
Transmission frame	RTU/ASCII
Transmission rate	1.2...19.2 kbit/s
Transmission support medium	2 twisted shielded pairs cable
Number of devices	28
Number of addresses	0...97
Bus length	0...1300 m Modbus
Maximum tap links length	15 m
Requests	120 words per request 1920 bits per request
Control parameter	One CRC 16 on each frame
Monitoring function	Event counters Diagnostic counters

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

Modbus functions available	Event connection Modbus master 0C Event connection Modbus slave 0C Event counter Modbus master 0B Event counter Modbus slave 0B Identification Modbus slave 11 Slave identification Modbus master 11 Write n output bits Modbus slave 0F Write n output words Modbus slave 10 Diagnostic Modbus master 08 Diagnostic Modbus slave 08 Exceptional read status Modbus master 07 Exceptional read status Modbus slave 07 Read input words Modbus master 04 Read n input words Modbus slave 04 Write 1 bits or n bits Modbus master 05 Write 1 input word Modbus slave 06 Write 1 output bit Modbus slave 05 Write 1 word or n word Modbus master 06
Local signalling	1 LED for communication (CH0) 1 LED for internal fault, module failure (ERR) 1 LED for module operating (RUN)
Current consumption	350 mA at 5 V DC
Module format	Standard
Net weight	0.36 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	<= 2000 m

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.500 cm
Package 1 Width	18.000 cm
Package 1 Length	26.000 cm
Package 1 Weight	494.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	10
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	5.196 kg

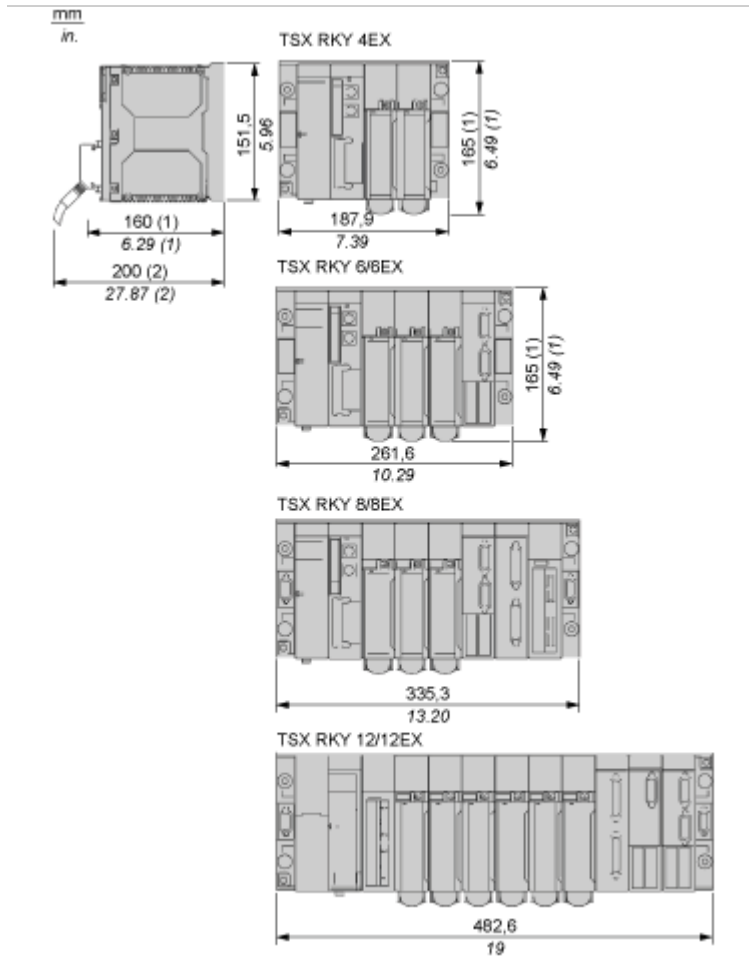
Contractual warranty

Warranty (in months)	18
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Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

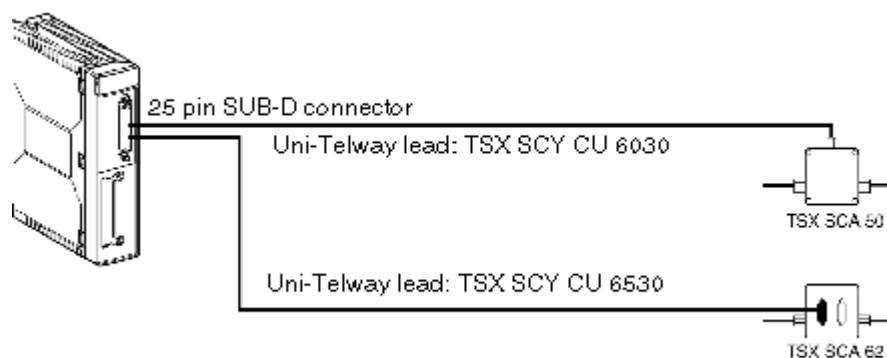


(1) With screw terminal block modules.

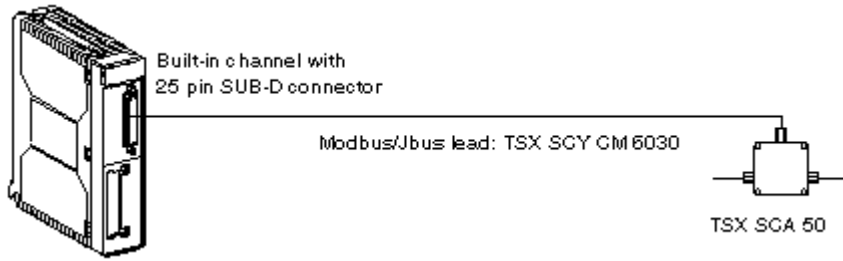
(2) Maximum depth for all types of modules and their associated connectors.

Connections and Schema

Connection of the Serial Link Communication Module to Uni-Telway Field Bus



Connection of the Serial Link Communication Module to the Modbus Field Bus



Connection of the Serial Link Communication Module in Character Mode

