

Product data sheet

Specifications



Communication module, Modicon Premium, RS485+PCMCIA, multiprotocol, Unity Pro, 350mA at 5VDC

TSXSCY21601

⚠ Discontinued - Service only

⚠ Discontinued on: 02 December 2020

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

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 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	0.00...4265.09 ft (0...1300 m) Modbus
Maximum tap links length	49.21 ft (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
Modbus funtions 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	for communication (CH0) 1 LED for internal fault, module failure (ERR) 1 LED for module operating (RUN) 1 LED
Current consumption	350 mA 5 V DC
Module format	Standard
Net Weight	0.79 lb(US) (0.36 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	<= 6561.68 ft (2000 m)

Ordering and shipping details

Category	22558-TSX PREMIUM, ATRIUM & PL7 PRO
Discount Schedule	PC22
GTIN	3389110874600
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	17.43 oz (494.0 g)
Unit Type of Package 2	S04
Number of Units in Package 2	12
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	15.75 in (40.0 cm)
Package 2 Length	23.62 in (60.0 cm)
Package 2 Weight	15.16 lb(US) (6.875 kg)

Offer Sustainability

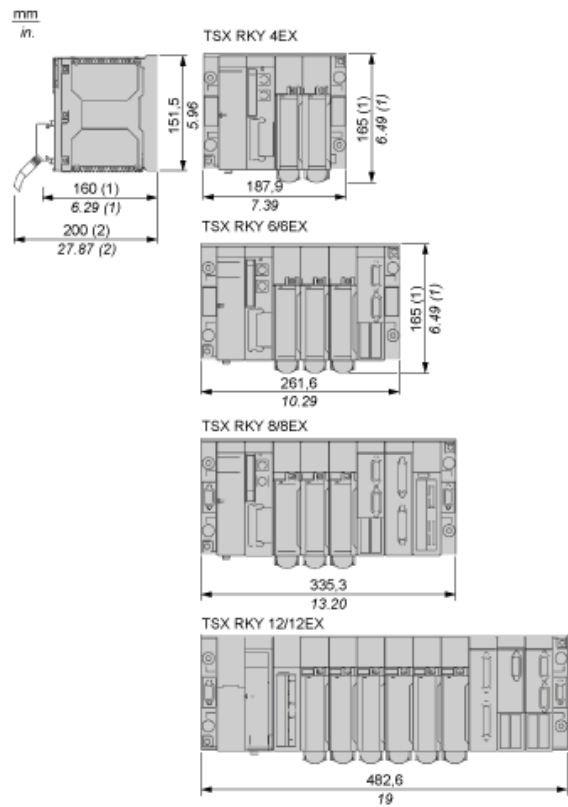
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm.For more information go to www.p65warnings.ca.gov
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Contractual warranty

Warranty	18 months
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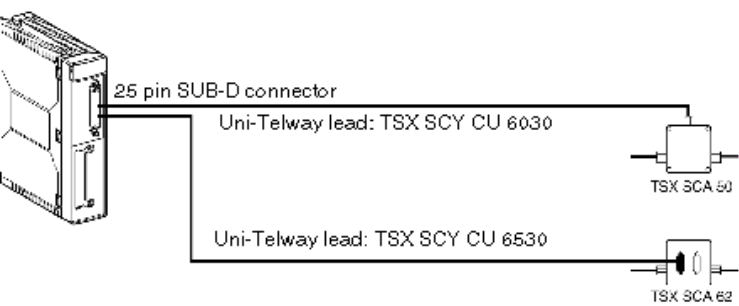
Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

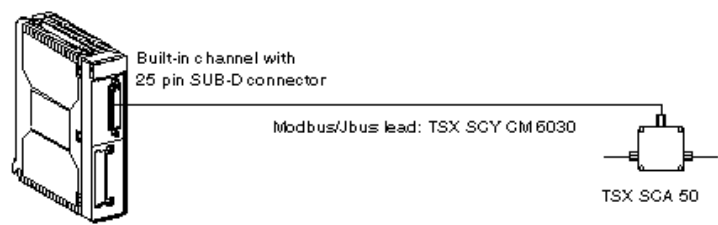


- (1) With screw terminal block modules.
- (2) Maximum depth for all types of modules and their associated connectors.

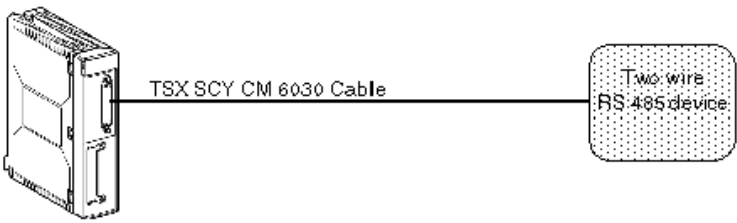
Connection of the Serial Link Communication Module to Uni-Telway Field Bus



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



Connection of the Serial Link Communication Module in Character Mode



Recommended replacement(s)

TSXSCY21601 is replaced by:

1x



communication module, Modicon X80, Serial link module, 2 RS485 or 232 ports in Modbus and character mode
BMXNOM0200