

Product data sheet

Specifications



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

TSXSCY21601

! Discontinued - Service only

! Discontinued on: Dec 2, 2020

! 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	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...4265.09 ft (0...1300 m) Modbus
Maximum tap links length	49.2 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

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

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	1 LED for communication (CH0) 1 LED for internal fault, module failure (ERR) 1 LED for module operating (RUN)
Current consumption	350 mA 5 V DC
Module format	Standard
Product 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	US1PC2222558
Discount Schedule	PC22
GTIN	3389110874600
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.165 in (5.500 cm)
Package 1 Width	7.087 in (18.000 cm)
Package 1 Length	10.236 in (26.000 cm)
Package weight(Lbs)	17.425 oz (494.000 g)
Unit Type of Package 2	S03
Number of Units in Package 2	10
Package 2 Height	11.8 in (30 cm)
Package 2 Width	11.8 in (30 cm)
Package 2 Length	15.7 in (40 cm)
Package 2 Weight	11.455 lb(US) (5.196 kg)

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

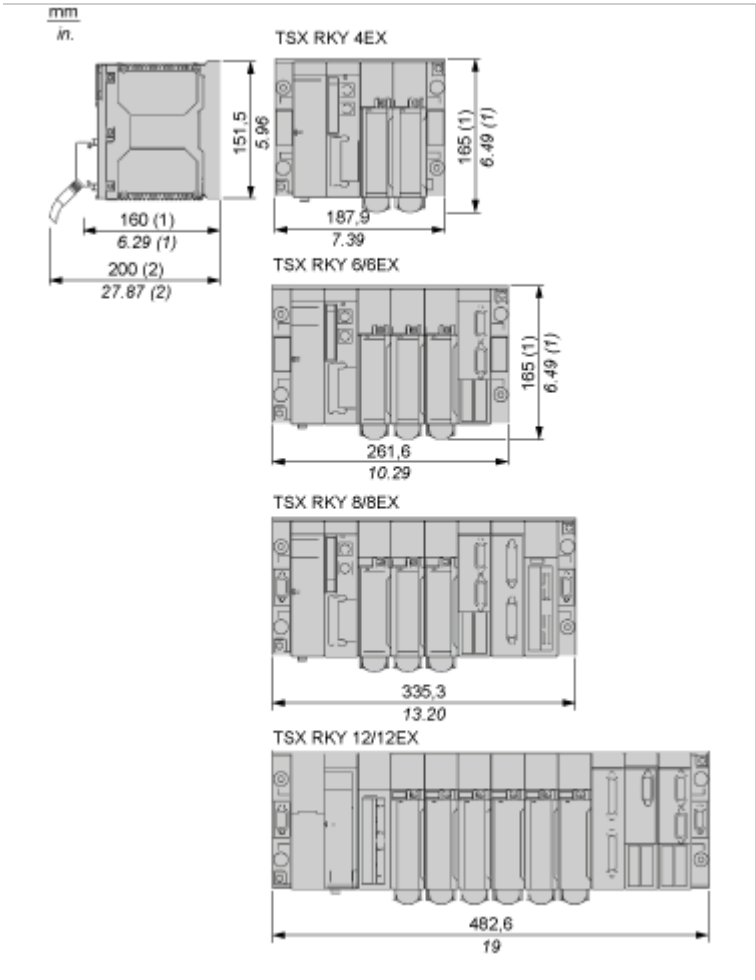
Use Longer

Lifetime extension	
Repair	No

Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

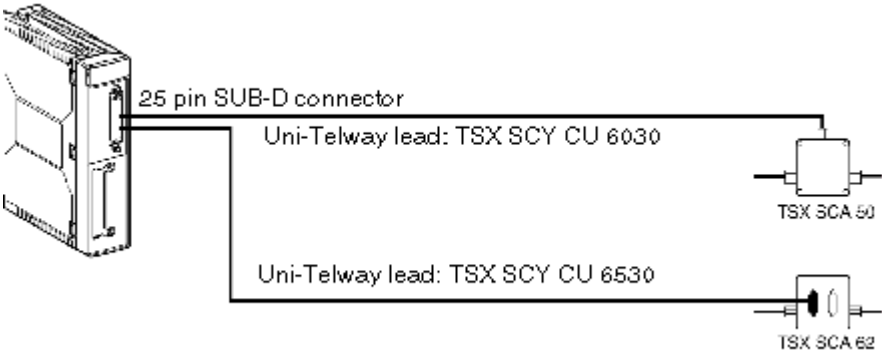
Dimensions of Modules and Racks



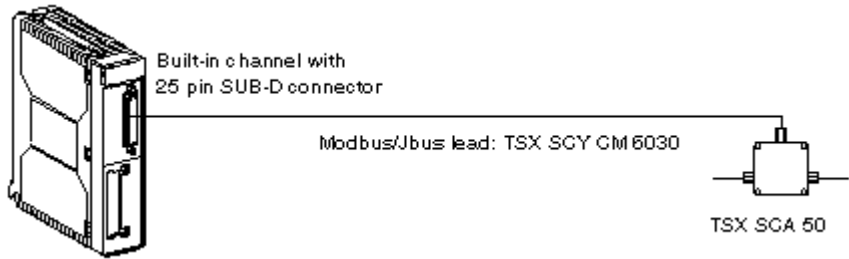
- (1) With screw terminal block modules.
- (2) Maximum depth for all types of modules and their associated connectors.

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

