

# Product data sheet

Specifications



## analog output module - 8 output - current,voltage - 13 bits,13 bits,13 bits+sign

TSXASY800C

⚠ Discontinued - Service only

⚠ Discontinued on: Dec 2, 2020

⚠ To be end-of-service on: Dec 31, 2025

### Main

Range Of Product	Modicon Premium Automation platform
Product Or Component Type	Analog output module
Analogue Output Number	8
Analogue Output Type	Current 0...20 mA Current 4...20 mA Voltage +/- 10 V
Analog/Digital Conversion	13 bits + sign +/- 10 V 13 bits 0...20 mA 13 bits 4...20 mA

### Complementary

Conversion Time	5 ms
Measurement Resolution	1.28 mV +/- 10 V 2.56 µA 0...20 mA 2.56 µA 4...20 mA
Electrical Connection	1 SUB-D 25 connector
Measurement Error	0.14 % of full scale +/- 10 V 25 °C 0.21 % of full scale 0...20 mA 25 °C 0.21 % of full scale 4...20 mA 25 °C 0.28 % of full scale +/- 10 V 0...60 °C 0.52 % of full scale 0...20 mA 0...60 °C 0.52 % of full scale 4...20 mA 0...60 °C
Isolation Between Channels	Common point
Isolation Between Channels And Bus	1000 Vrms
Isolation Between Channels And Ground	1000 Vrms
Protection Type	Overload protection Short-circuit protection
Output Voltage Limits	<= 30 V
Load Impedance Ohmic	< 600 Ohm 0...20 mA < 600 Ohm 4...20 mA > 1000 Ohm +/- 10 V
Maximum Load Inductance	0.3 mH
Maximum Load Capacitance	0.1 µF
Marking	CE
Current Consumption	200 mA 5 V DC 300 mA 24 V DC
Module Format	Standard

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

Terminals Description Plc N°1	(20)OUT_ANA_COM#4 PW_POS# (6)OUT_ANA_COM#3 (16)OUT_ANA_CUR#1 (13)IN_ANA_STD# (2)OUT_ANA_CUR#0 (9)OUT_ANA_COM#5 (25)OUT_ANA_CUR#7 (4)OUT_ANA_VOLT#2 (21)OUT_ANA_VOLT#5 (1)OUT_ANA_VOLT#0 (11)OUT_ANA_CUR#6 (3)OUT_ANA_COM#1 (22)OUT_ANA_CUR#5 (8)OUT_ANA_CUR#4 (10)OUT_ANA_VOLT#6 (15)OUT_ANA_VOLT#1 (12)OUT_ANA_COM#7 (19)OUT_ANA_CUR#3 (17)OUT_ANA_COM#2 (14)OUT_ANA_COM#0 (24)OUT_ANA_VOLT#7 PW_NEG# (5)OUT_ANA_CUR#2 (7)OUT_ANA_VOLT#4 (23)OUT_ANA_COM#6 (18)OUT_ANA_VOLT#3
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## Environment

Standards	CSA C22.2 No 213 Class I Division 2 Group D UL 508 IEC 61131-2 CSA C22.2 No 213 Class I Division 2 Group A 89/336/EEC 92/31/EEC 93/68/EEC CSA C22.2 No 213 Class I Division 2 Group C CSA C22.2 No 213 Class I Division 2 Group B 73/23/EEC CSA C22.2 No 142
Product Certifications	RINA ABS RMRS DNV LR BV GL
Ambient Air Temperature For Operation	32...140 °F (0...60 °C)
Ambient Air Temperature For Storage	-13...158 °F (-25...70 °C)
Relative Humidity	10...95 % without condensation for operation 5...95 % without condensation for storage
Operating Altitude	0...6561.68 ft (0...2000 m)
Protective Treatment	Conformal coating Humiseal 1A33 TC
Ip Degree Of Protection	IP20
Pollution Degree	2

## Ordering and shipping details

Category	22558-TSX PREMIUM, ATRIUM & PL7 PRO
Discount Schedule	PC22
Gtin	3595863941555
Returnability	No
Country Of Origin	FR

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.36 in (6.0 cm)
Package 1 Width	7.09 in (18.0 cm)
Package 1 Length	10.24 in (26.0 cm)
Package 1 Weight	16.93 oz (480.0 g)

## Contractual warranty

Warranty	18 months
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# Sustainability

**Green Premium™ 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<sub>2</sub> 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

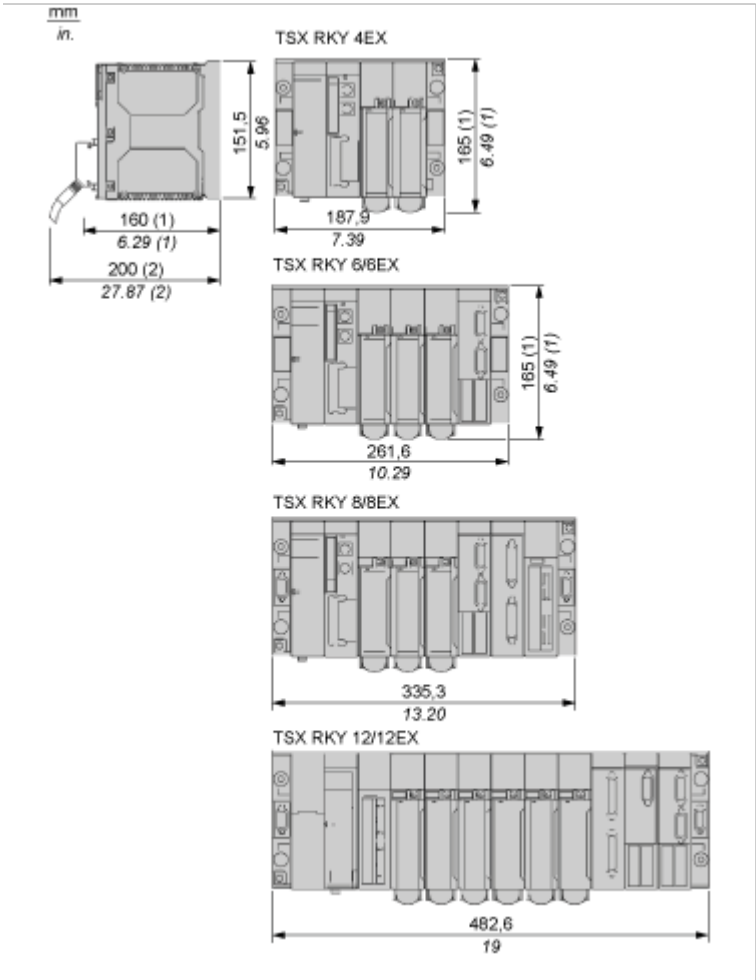
WARNING: This product can expose you to chemicals including: Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

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Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

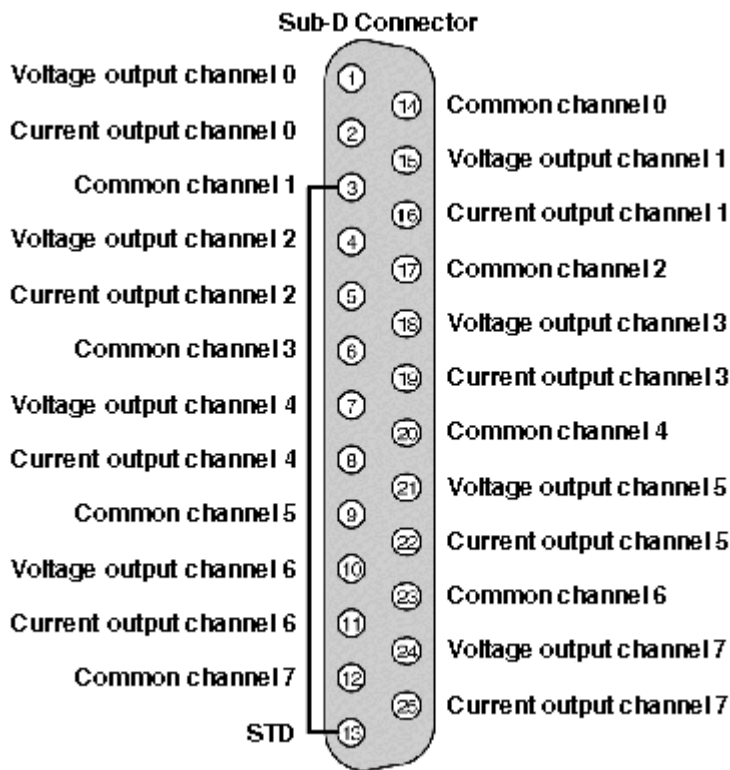


- (1) With screw terminal block modules.  
(2) Maximum depth for all types of modules and their associated connectors.

Connections and Schema

Analog Output Module (8-Channel, Voltage/Current)

Connector Pin Assignment



STD: The "strap" between pins 3 and 13 detects disconnection.

External Power Supply Terminal Block Pin Assignment

External supply terminal block



Some recommendations:

- External supply must be of the type VLVS (very low voltage for safety) 24 V +/- 5 %, ripple < 1 V.
- The connection lead must be a shielded cable (it is advised to connect the shielding braid on the supply side and as close as possible to the module, using ground clips).

Supplies that are suitable: TSXSUP1011/1021/1051/1101 and TSXSUPA05.