

Product data sheet

Specifications



Analog output module, Modicon Premium, 8 high level outputs, 13 bits conversion, 200mA at 5VDC

TSXASY800

⚠ Discontinued on: Dec 2, 2020

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

⚠ Discontinued - Service only

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	Short-circuit protection Overload 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	300 µH
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.

Terminals description PLC n°1	(16)OUT_ANA_CUR#1 (13)IN_ANA_STD# (24)OUT_ANA_VOLT#7 (8)OUT_ANA_CUR#4 (20)OUT_ANA_COM#4 (1)OUT_ANA_VOLT#0 (17)OUT_ANA_COM#2 (4)OUT_ANA_VOLT#2 (9)OUT_ANA_COM#5 (11)OUT_ANA_CUR#6 (19)OUT_ANA_CUR#3 PW_NEG# (25)OUT_ANA_CUR#7 (3)OUT_ANA_COM#1 (12)OUT_ANA_COM#7 (5)OUT_ANA_CUR#2 (6)OUT_ANA_COM#3 (15)OUT_ANA_VOLT#1 (18)OUT_ANA_VOLT#3 (22)OUT_ANA_CUR#5 (10)OUT_ANA_VOLT#6 PW_POS# (14)OUT_ANA_COM#0 (23)OUT_ANA_COM#6 (2)OUT_ANA_CUR#0 (7)OUT_ANA_VOLT#4 (21)OUT_ANA_VOLT#5
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Net Weight	1.01 lb(US) (0.46 kg)
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Environment

Standards	93/68/EEC CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 142 73/23/EEC CSA C22.2 No 213 Class I Division 2 Group B 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group D UL 508 IEC 61131-2 92/31/EEC CSA C22.2 No 213 Class I Division 2 Group C
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Product Certifications	BV RINA DNV LR ABS RMRS GL
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Ambient Air Temperature for Operation	32.0000000000...140.0000000000 °F (0...60 °C)
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Ambient Air Temperature for Storage	-13.0000000000...158.0000000000 °F (-25...70 °C)
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Relative Humidity	10...95 % without condensation for operation 5...95 % without condensation for storage
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Operating altitude	0...6561.68 ft (0...2000 m)
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protective treatment	TC
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IP Degree of Protection	IP20
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Pollution degree	2
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Ordering and shipping details

Category	22558-TSX PREMIUM, ATRIUM & PL7 PRO
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Discount Schedule	PC22
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GTIN	3389110876369
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Returnability	No
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Country of origin	FR
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Packing Units

Unit Type of Package 1	PCE
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Number of Units in Package 1	1
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Package 1 Height	2.2 in (5.5 cm)
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Package 1 Width	7.09 in (18.0 cm)
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Package 1 Length	10.2 in (26.0 cm)
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Package 1 Weight	16.4 oz (465.0 g)
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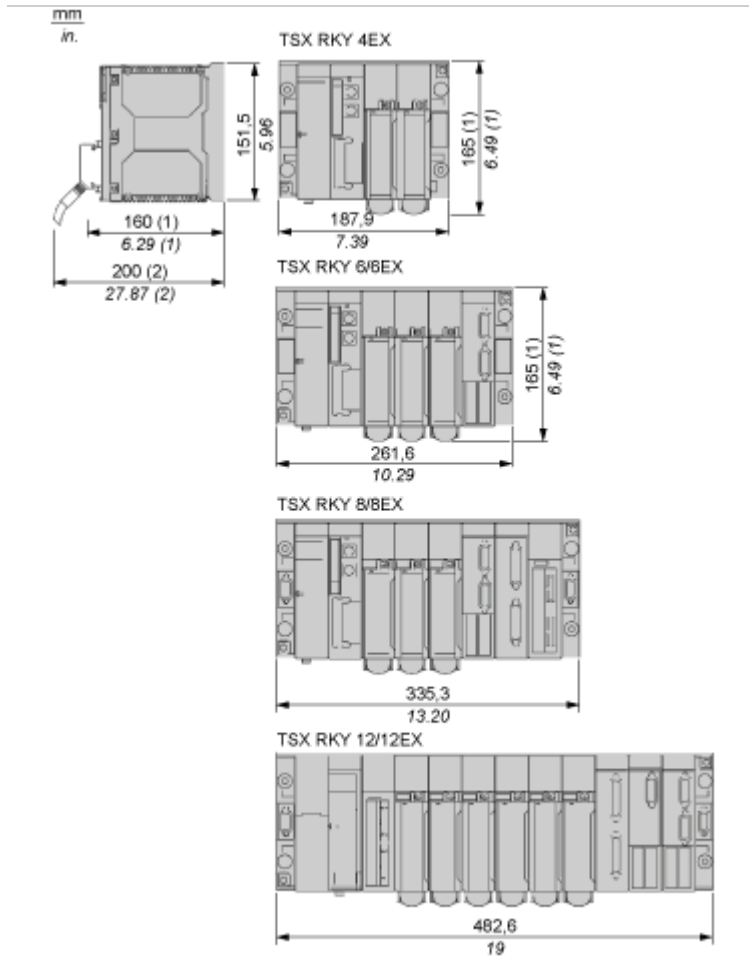
Contractual warranty

Warranty	18 months
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Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks



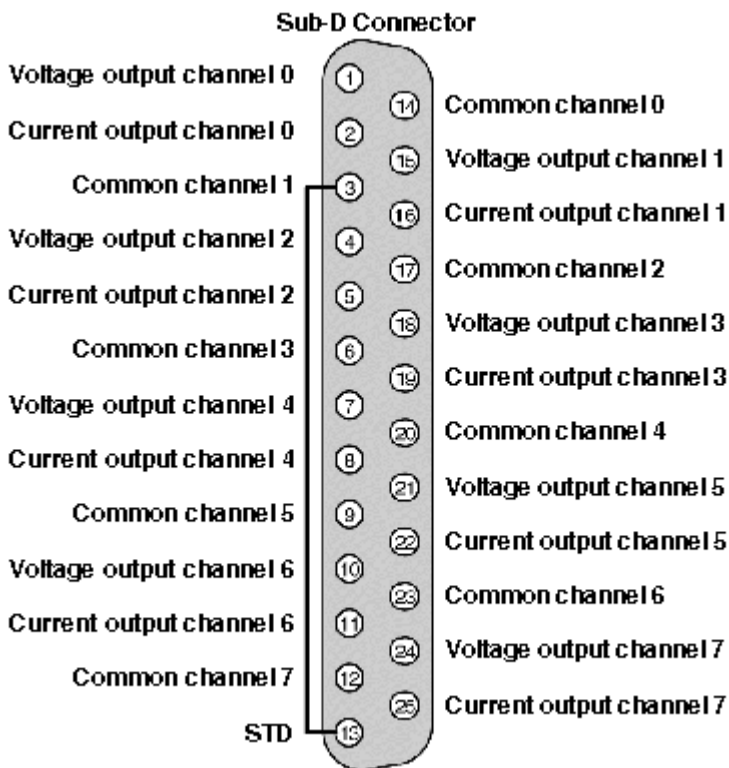
(1) With screw terminal block modules.

(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.