

# Product datasheet

Specifications



## analog output module Modicon Premium - 8 O multirange

TSXASY800

⚠ Discontinued on: 5 Dec 2020

EAN Code: 3389110876369

⚠ Discontinued

### 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 at 5 V DC 300 mA at 24 V DC
Module format	Standard

<b>Terminals description PLC n°1</b>	(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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<b>Net weight</b>	0.46 kg
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## Environment

<b>Standards</b>	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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<b>Product certifications</b>	BV RINA DNV LR ABS RMRS GL
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<b>Ambient air temperature for operation</b>	0...60 °C
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<b>Ambient air temperature for storage</b>	-25...70 °C
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<b>Relative humidity</b>	10...95 % without condensation for operation 5...95 % without condensation for storage
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<b>Operating altitude</b>	0...2000 m
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<b>Protective treatment</b>	TC
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<b>IP degree of protection</b>	IP20
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<b>Pollution degree</b>	2
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## Packing Units

<b>Unit Type of Package 1</b>	PCE
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<b>Number of Units in Package 1</b>	1
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<b>Package 1 Height</b>	5.5 cm
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<b>Package 1 Width</b>	18.0 cm
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Package 1 Length	26.0 cm
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Package 1 Weight	465.0 g
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## Contractual warranty

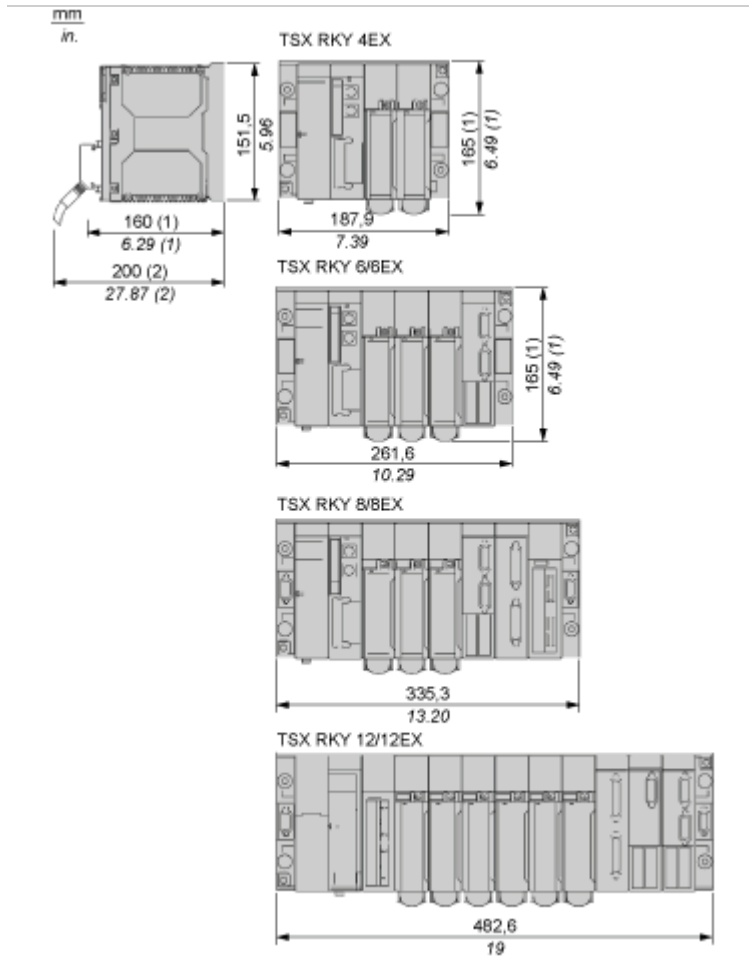
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Warranty	18 months
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Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks



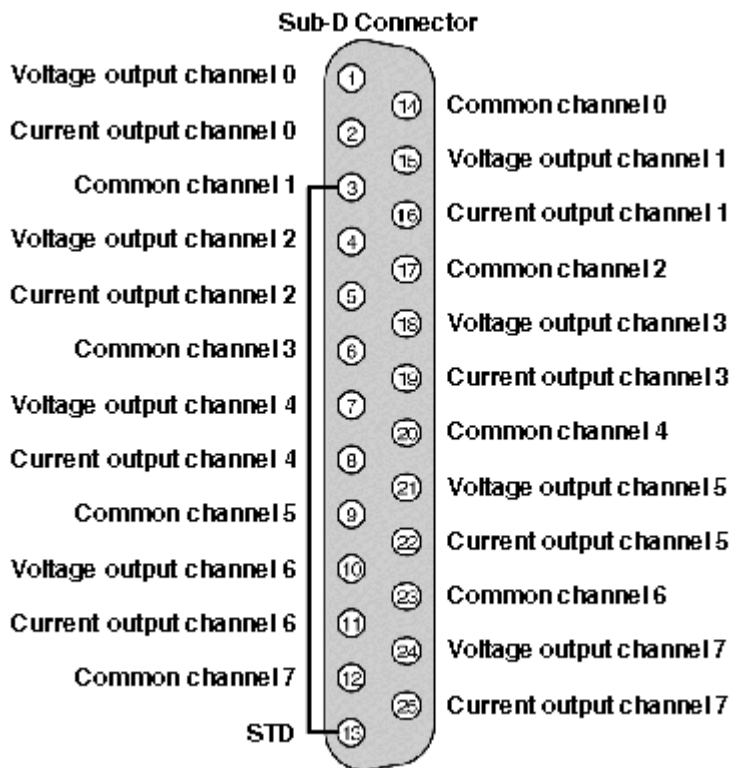
(1) With screw terminal block modules.

(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.