

# Product datasheet

Specifications



## Analog output module, Modicon Premium, 4 outputs, 12 bits conversion, 900mA at 5VDC

TSXASY410

! Discontinued

! Discontinued on: 31 Dec 2018

! To be end-of-service on: 31 Dec 2026

### Main

Range of product	Modicon Premium Automation platform
Product or component type	Analog output module
Analogue output number	4
Analogue output type	Current: 0...20 mA Current: 4...20 mA Voltage: +/- 10 V
Analog/digital conversion	11 bits + sign

### Complementary

Conversion time	2.5 ms
Measurement resolution	10.25 $\mu$ A 0...20 mA 10.25 $\mu$ A 4...20 mA 5.12 mV +/- 10 V
Electrical connection	Screw terminal block
Measurement error	0.45 % of full scale +/- 10 V 25 °C 0.52 % of full scale 0...20 mA 25 °C 0.52 % of full scale 4...20 mA 25 °C 0.75 % of full scale +/- 10 V 0...60 °C 0.98 % of full scale 0...20 mA 0...60 °C 0.98 % of full scale 4...20 mA 0...60 °C
Isolation between channels	1500 Vrms
Isolation between channels and bus	1500 Vrms
Isolation between channels and ground	500 V
Protection type	Overload protection Short-circuit protection
Output voltage limits	$\leq$ 30 V
Load impedance ohmic	$<$ 600 Ohm 0...20 mA $<$ 600 Ohm 4...20 mA $>$ 1000 Ohm +/- 10 V
Maximum load inductance	300 $\mu$ H
Maximum load capacitance	0.1 $\mu$ F
Marking	CE
Current consumption	900 mA at 5 V DC
Module format	Standard

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

<b>Terminals description PLC n°1</b>	(14)OUT_ANA_SHIELD# (19)OUT_ANA_SHIELD# (18)OUT_ANA_CUR#3 (1)OUT_ANA_VOLT#0 (5)OUT_ANA_SHIELD# (16)OUT_ANA_VOLT#3 (15)OUT_ANA_SHIELD# (11)OUT_ANA_VOLT#2 (12)OUT_ANA_COM#2 (20)OUT_ANA_SHIELD# (6)OUT_ANA_VOLT#1 (7)OUT_ANA_COM#1 (2)OUT_ANA_COM#0 (13)OUT_ANA_CUR#2 (4)OUT_ANA_SHIELD# (8)OUT_ANA_CUR#1 (9)OUT_ANA_SHIELD# (3)OUT_ANA_CUR#0 (17)OUT_ANA_COM#3 (10)OUT_ANA_SHIELD#
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<b>Product weight</b>	0.35 kg
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## Environment

<b>Standards</b>	CSA C22.2 No 213 Class I Division 2 Group B CSA C22.2 No 213 Class I Division 2 Group C CSA C22.2 No 142 92/31/EEC 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group A 93/68/EEC IEC 61131-2 73/23/EEC CSA C22.2 No 213 Class I Division 2 Group D UL 508
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<b>Product certifications</b>	GL ABS RINA DNV RMRS LR BV
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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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<b>Package 1 Length</b>	26.0 cm
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<b>Package 1 Weight</b>	453.0 g
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## Contractual warranty





## 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 Longer



#### Lifetime extension

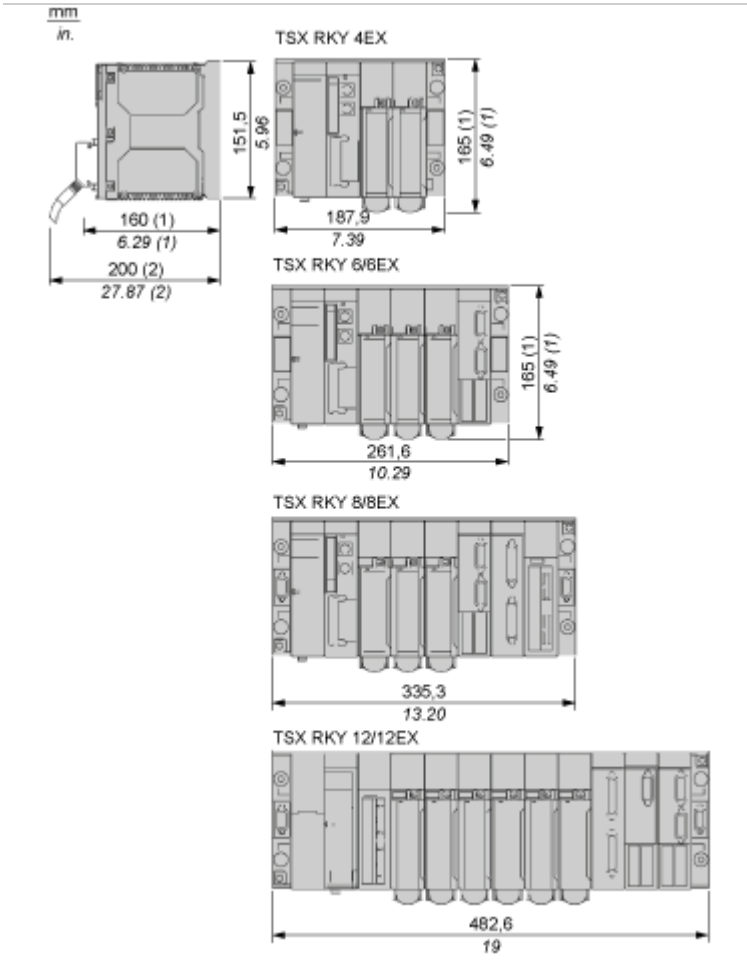
Repair

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

Analog Output Module (4-Channel, Voltage/Current)

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Terminal Block Pin Assignment

