



Commercial status

End of Commercialisation :

⚠ End of Commercialisation

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 mH
Maximum load capacitance	0.1 mF
Marking	CE
Current consumption	200 mA at 5 V DC 300 mA at 24 V DC

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Module format	Standard
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

Environment

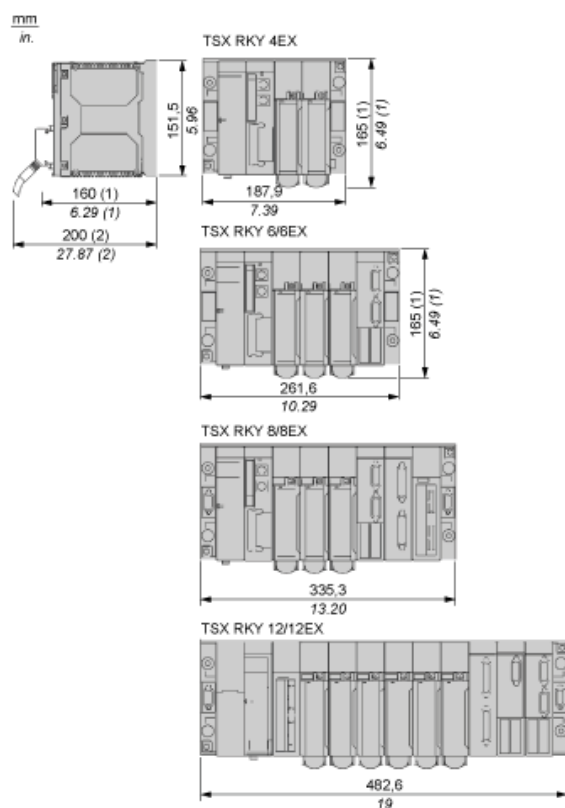
Standards	93/68/EEC CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 142 73/23/EEC CSA C22.2 No 213 Class I Division 2 Group B 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group D UL 508 IEC 61131-2 92/31/EEC CSA C22.2 No 213 Class I Division 2 Group C
Product certifications	BV RINA DNV LR ABS RMRS GL
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-25...70 °C
Relative humidity	10...95 % without condensation for operation 5...95 % without condensation for storage
Operating altitude	0...2000 m
Protective treatment	TC
IP degree of protection	IP20
Pollution degree	2

Contractual warranty

Warranty	18 months
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Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

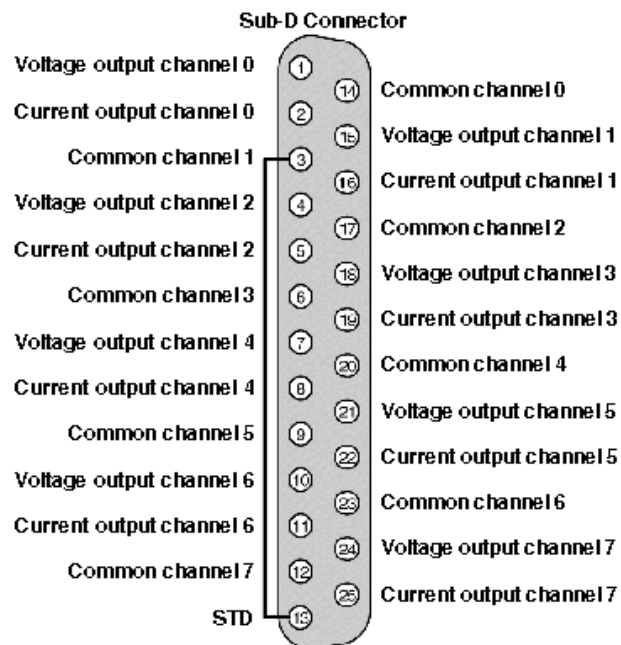


(1) With screw terminal block modules.

(2) Maximum depth for all types of modules and their associated connectors.

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, us

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

Product Life Status : **Post commercialisation**

TSXASY800 may be replaced by any of the following products:



BMXAMO0802
analog output module X80 - 8 outputs
Qty 1
Reason for Substitution: End of life | Substitution date: 30 Jun 2018 |



BMXAMO0802
analog output module X80 - 8 outputs
Qty 1
Reason for Substitution: End of life | Substitution date: 31 Dec 2018 | Not same dimensions/design - no voltage range



BMXAMO0802

analog output module X80 - 8 outputs

Qty 1

Reason for Substitution: End of life | Substitution date: 31 Dec 2018 | Not same dimensions/design - no voltage range



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analog output module X80 - 8 outputs

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