



Commercial status

Discontinued on: 31 December 2017

To be end-of-service on: 31 December 2025

ⓘ Restricted Sales for Services

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

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

Current consumption	200 mA at 5 V DC 300 mA at 24 V DC
Module format	Standard
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

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	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	Conformal coating Humiseal 1A33 TC
IP degree of protection	IP20
Pollution degree	2

Packing Units

Package 1 Weight	0.480 kg
Package 1 Height	60.000 mm
Package 1 width	180.000 mm
Package 1 Length	260.000 mm

Offer 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

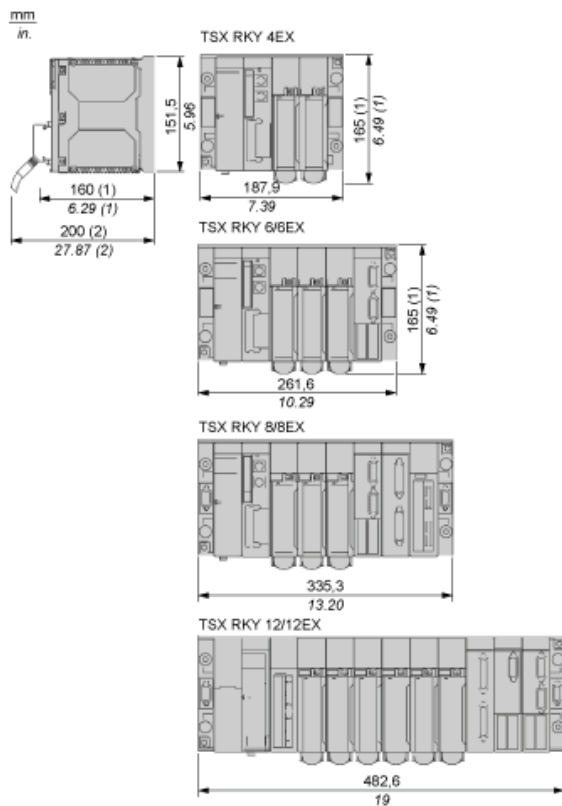
Contractual warranty

Warranty

18 months

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

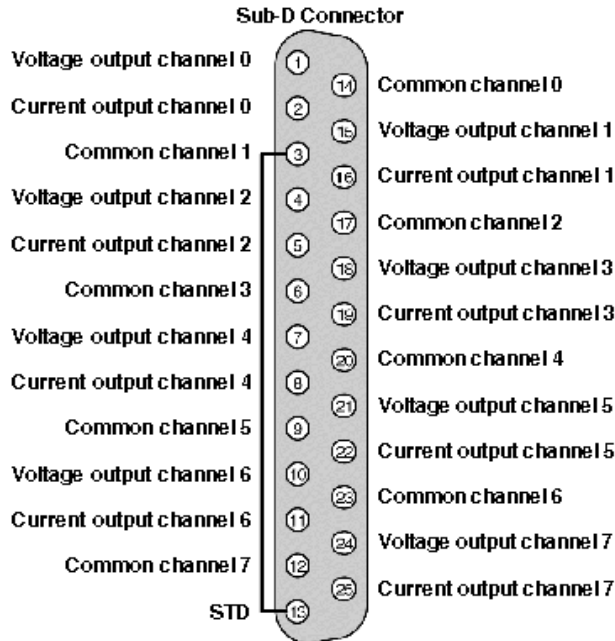


(1) With screw terminal block modules.

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

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

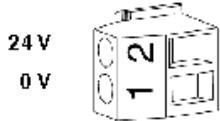
Connector Pin Assignment



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 a shielded terminal block).

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

TSXASY800C is replaced by:



Standard environment BMXAMO0802

analogue output module X80 - 8 outputs

Qty 1