



Main

Range of product	Modicon Premium Automation platform
Product or component type	Analog output module
Analogue output number	8
Analogue output type	Voltage +/- 10 V Current 4...20 mA Current 0...20 mA
Analog/Digital conversion	13 bits 4...20 mA 13 bits 0...20 mA 13 bits + sign +/- 10 V

Complementary

Conversion time	5 ms
Measurement resolution	2.56 μ A 4...20 mA 2.56 μ A 0...20 mA 1.28 mV +/- 10 V
Electrical connection	1 SUB-D 25 connector
Measurement error	0.52 % of full scale 4...20 mA 0...60 °C 0.52 % of full scale 0...20 mA 0...60 °C 0.28 % of full scale +/- 10 V 0...60 °C 0.21 % of full scale 4...20 mA 25 °C 0.21 % of full scale 0...20 mA 25 °C 0.14 % of full scale +/- 10 V 25 °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	> 1000 Ohm +/- 10 V < 600 Ohm 4...20 mA < 600 Ohm 0...20 mA
Load inductance	< 300 μ H
Load capacitance	< 0.1 μ F
Marking	CE
Current consumption	300 mA 24 V DC 200 mA 5 V DC

Module format	Standard
Terminals description PLC n°1	(1)OUT_ANA_VOLT#0 (10)OUT_ANA_VOLT#6 (11)OUT_ANA_CUR#6 (12)OUT_ANA_COM#7 (13)IN_ANA_STD# (14)OUT_ANA_COM#0 (15)OUT_ANA_VOLT#1 (16)OUT_ANA_CUR#1 (17)OUT_ANA_COM#2 (18)OUT_ANA_VOLT#3 (19)OUT_ANA_CUR#3 (2)OUT_ANA_CUR#0 (20)OUT_ANA_COM#4 (21)OUT_ANA_VOLT#5 (22)OUT_ANA_CUR#5 (23)OUT_ANA_COM#6 (24)OUT_ANA_VOLT#7 (25)OUT_ANA_CUR#7 (3)OUT_ANA_COM#1 (4)OUT_ANA_VOLT#2 (5)OUT_ANA_CUR#2 (6)OUT_ANA_COM#3 (7)OUT_ANA_VOLT#4 (8)OUT_ANA_CUR#4 (9)OUT_ANA_COM#5 PW_NEG# PW_POS#

Environment

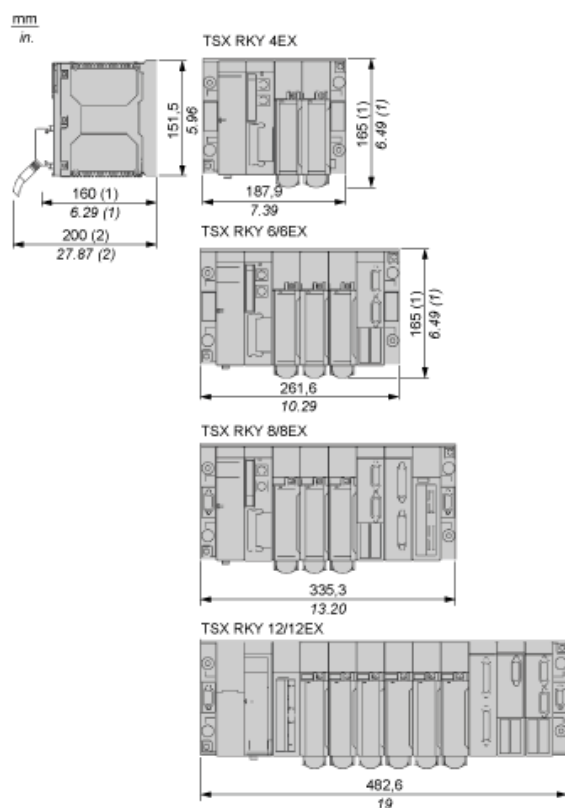
Standards	73/23/EEC 89/336/EEC 92/31/EEC 93/68/EEC CSA 22-2 No 142 CSA 22-2 No 213 Class I Division 2 Group A CSA 22-2 No 213 Class I Division 2 Group B CSA 22-2 No 213 Class I Division 2 Group C CSA 22-2 No 213 Class I Division 2 Group D IEC 61131-2 UL 508
Product certifications	ABS BV DNV GL LR RINA RMRS
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-25...70 °C
Relative humidity	5...95 % without condensation for storage 10...95 % without condensation for operation
Operating altitude	0...2000 m
Protective treatment	TC
IP degree of protection	IP20
Pollution degree	2

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS	Compliant - since 0835 - Schneider Electric declaration of conformity download declaration of conformity

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

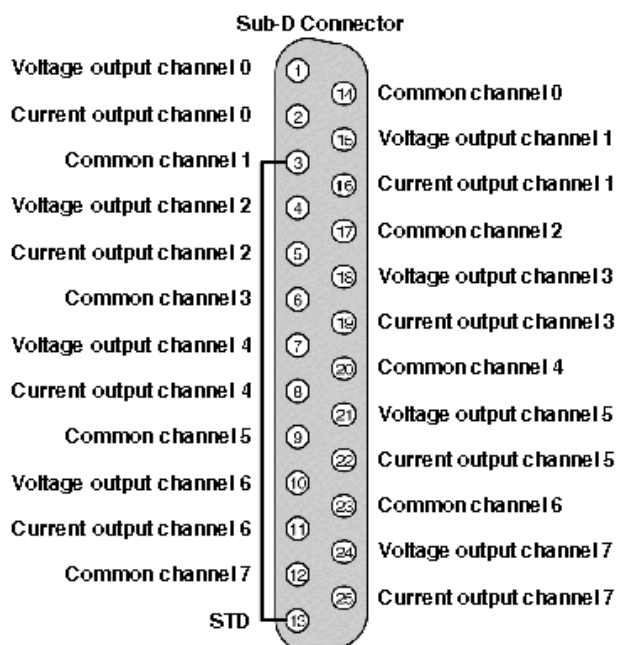


(1) With screw terminal block modules.

(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, using ground clips).

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