



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
Analogue/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
Load inductance	< 300 µH
Load capacitance	< 0.1 µF
Marking	CE
Current consumption	200 mA 5 V DC

300 mA 24 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 C22.2 No 142 IEC 61131-2 UL 508 CSA C22.2 No 213 Class I Division 2 Group A 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 213 Class I Division 2 Group D
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	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

Offer Sustainability

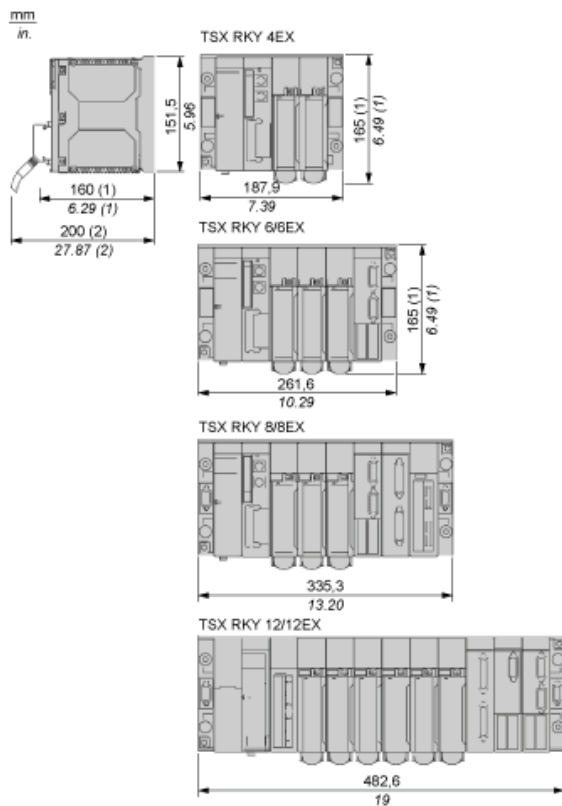
RoHS (date code: YYWW)	Compliant - since 0835 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Warranty period	18 months
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Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

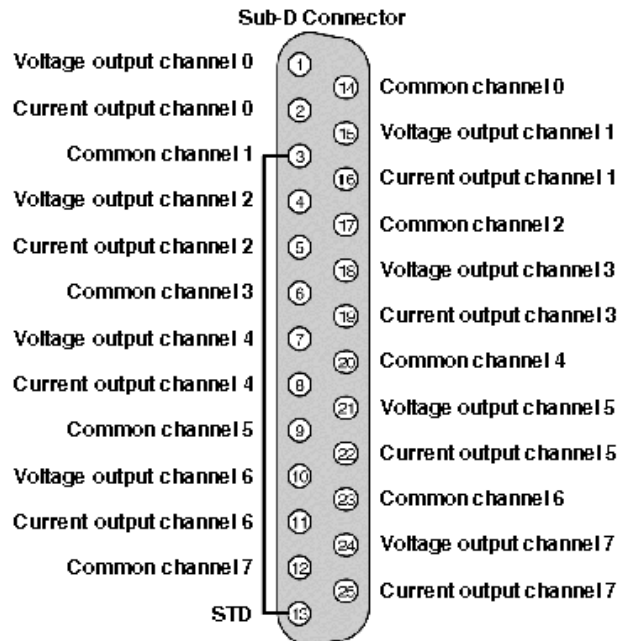


(1) With screw terminal block modules.

(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, using the shielded cable).

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