

Product data sheet

Specifications



Analog output module, Modicon Premium, 8 high level outputs, 13 bits conversion, 200mA at 5VDC

TSXASY800

! Discontinued on: 02 December 2020

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

! Discontinued - Service only

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 µH
Maximum load capacitance	0.1 µF
Marking	CE
Current consumption	200 mA 5 V DC

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	32...140 °F (0...60 °C)
Ambient Air Temperature for Storage	-13...158 °F (-25...70 °C)
Relative Humidity	10...95 % without condensation for operation 5...95 % without condensation for storage
Operating altitude	0...6561.68 ft (0...2000 m)
Protective treatment	TC
IP Degree of Protection	IP20
Pollution degree	2

Ordering and shipping details

Category	22558-TSX PREMIUM, ATRIUM & PL7 PRO
Discount Schedule	PC22
GTIN	3389110876369
Returnability	No
Country of origin	FR

Packing Units

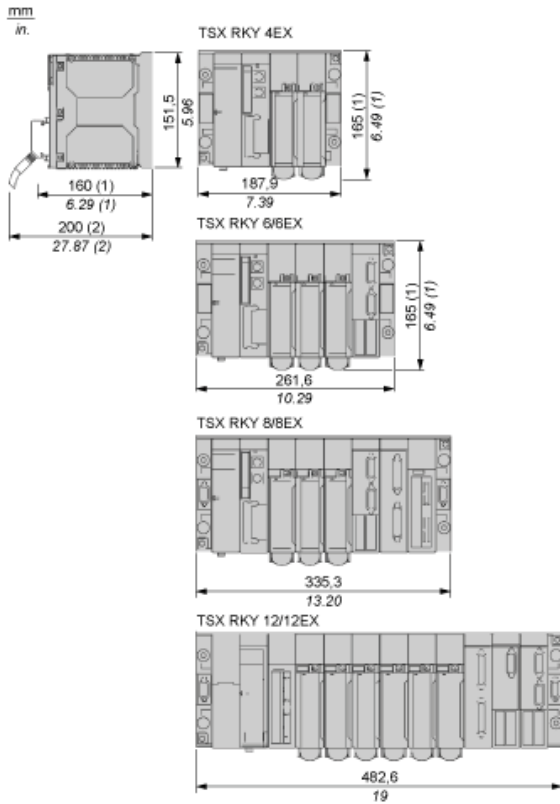
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.17 in (5.5 cm)
Package 1 Width	7.09 in (18.0 cm)
Package 1 Length	10.24 in (26.0 cm)
Package 1 Weight	16.40 oz (465.0 g)
Unit Type of Package 2	S04
Number of Units in Package 2	12
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	15.75 in (40.0 cm)
Package 2 Length	23.62 in (60.0 cm)
Package 2 Weight	14.39 lb(US) (6.527 kg)

Contractual warranty

Warranty	18 months
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Standard and Extendable Racks for Modules Mounting

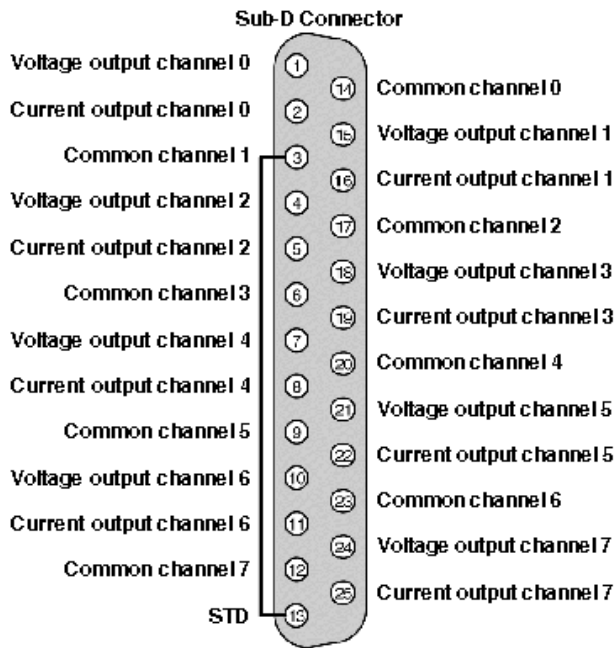
Dimensions of Modules and Racks



- (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,

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

Recommended replacement(s)

TSXASY800 is replaced by:

1x		analog non isolated high level output module, Modicon X80, 8 outputs, 0 to 20mA, 4 to 20mA BMXAMO0802
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