

# TSXASY410

analog output module Modicon Premium - 4 O  
multirange



## Main

|                           |                                                            |
|---------------------------|------------------------------------------------------------|
| Range of product          | Modicon Premium Automation platform                        |
| Product or component type | Analog output module                                       |
| Analogue output number    | 4                                                          |
| Analogue output type      | Current 0...20 mA<br>Current 4...20 mA<br>Voltage +/- 10 V |
| Analog/digital conversion | 11 bits + sign                                             |

## Complementary

|                                       |                                                                                                                                                                                                                                                        |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Conversion time                       | 2.5 ms                                                                                                                                                                                                                                                 |
| Measurement resolution                | 10.25 $\mu$ A 0...20 mA<br>10.25 $\mu$ A 4...20 mA<br>5.12 mV +/- 10 V                                                                                                                                                                                 |
| Electrical connection                 | Screw terminal block                                                                                                                                                                                                                                   |
| Measurement error                     | 0.45 % of full scale +/- 10 V 25 °C<br>0.52 % of full scale 0...20 mA 25 °C<br>0.52 % of full scale 4...20 mA 25 °C<br>0.75 % of full scale +/- 10 V 0...60 °C<br>0.98 % of full scale 0...20 mA 0...60 °C<br>0.98 % of full scale 4...20 mA 0...60 °C |
| Isolation between channels            | 1500 Vrms                                                                                                                                                                                                                                              |
| Isolation between channels and bus    | 1500 Vrms                                                                                                                                                                                                                                              |
| Isolation between channels and ground | 500 V                                                                                                                                                                                                                                                  |
| Protection type                       | Overload protection<br>Short-circuit protection                                                                                                                                                                                                        |
| Output voltage limits                 | <= 30 V                                                                                                                                                                                                                                                |
| Load impedance ohmic                  | < 600 Ohm 0...20 mA<br>< 600 Ohm 4...20 mA<br>> 1000 Ohm +/- 10 V                                                                                                                                                                                      |
| Maximum load inductance               | 300 $\mu$ H                                                                                                                                                                                                                                            |
| Maximum load capacitance              | 0.1 $\mu$ F                                                                                                                                                                                                                                            |
| Marking                               | CE                                                                                                                                                                                                                                                     |
| Current consumption                   | 900 mA 5 V DC                                                                                                                                                                                                                                          |
| Module format                         | Standard                                                                                                                                                                                                                                               |

The information provided in this documentation contains general descriptions and/or technical characteristics 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.

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Terminals description PLC n°1 | (14)OUT_ANA_SHIELD#<br>(19)OUT_ANA_SHIELD#<br>(18)OUT_ANA_CUR#3<br>(1)OUT_ANA_VOLT#0<br>(5)OUT_ANA_SHIELD#<br>(16)OUT_ANA_VOLT#3<br>(15)OUT_ANA_SHIELD#<br>(11)OUT_ANA_VOLT#2<br>(12)OUT_ANA_COM#2<br>(20)OUT_ANA_SHIELD#<br>(6)OUT_ANA_VOLT#1<br>(7)OUT_ANA_COM#1<br>(2)OUT_ANA_COM#0<br>(13)OUT_ANA_CUR#2<br>(4)OUT_ANA_SHIELD#<br>(8)OUT_ANA_CUR#1<br>(9)OUT_ANA_SHIELD#<br>(3)OUT_ANA_CUR#0<br>(17)OUT_ANA_COM#3<br>(10)OUT_ANA_SHIELD# |
| Net Weight                    | 0.77 lb(US) (0.35 kg)                                                                                                                                                                                                                                                                                                                                                                                                                       |

## Environment

|                                       |                                                                                                                                                                                                                                                                                            |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards                             | CSA C22.2 No 213 Class I Division 2 Group B<br>CSA C22.2 No 213 Class I Division 2 Group C<br>CSA C22.2 No 142<br>92/31/EEC<br>89/336/EEC<br>CSA C22.2 No 213 Class I Division 2 Group A<br>93/68/EEC<br>IEC 61131-2<br>73/23/EEC<br>CSA C22.2 No 213 Class I Division 2 Group D<br>UL 508 |
| Product certifications                | GL<br>ABS<br>RINA<br>DNV<br>RMRS<br>LR<br>BV                                                                                                                                                                                                                                               |
| 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<br>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                  | 00785901748038                        |
| Nbr. of units in pkg. | 1                                     |
| Package weight(Lbs)   | 1 lb(US) (0.45 kg)                    |
| Returnability         | No                                    |
| Country of origin     | FR                                    |

## Packing Units

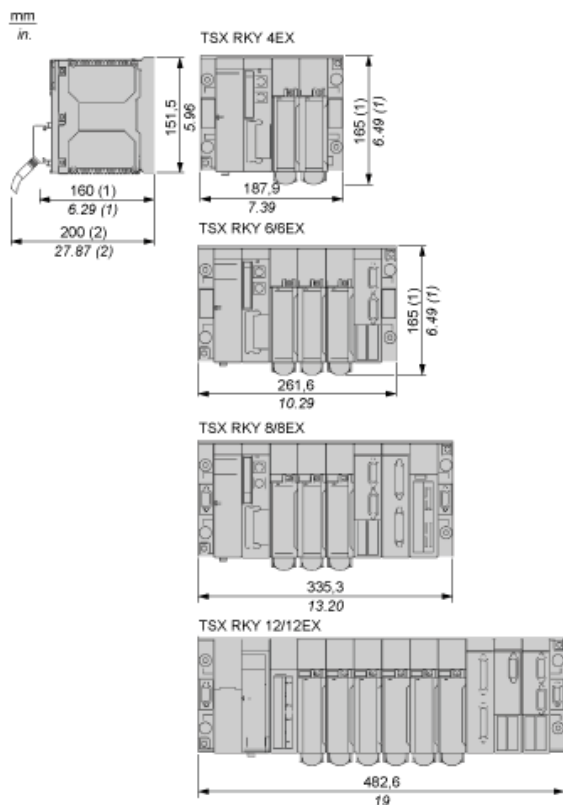
|                        |                  |
|------------------------|------------------|
| Unit Type of Package 1 | PCE              |
| Package 1 Height       | 2.17 in (5.5 cm) |
| Package 1 width        | 7.09 in (18 cm)  |
| Package 1 Length       | 10.24 in (26 cm) |

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.

Analog Output Module (4-Channel, Voltage/Current)

Terminal Block Pin Assignment

