

# Product data sheet

Specifications



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

TSXASY800

⚠ Discontinued on: Dec 2, 2020

⚠ To be end-of-service on: Dec 31, 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<br>Current 4...20 mA<br>Voltage +/- 10 V        |
| Analogue/digital conversion | 13 bits + sign +/- 10 V<br>13 bits 0...20 mA<br>13 bits 4...20 mA |

### Complementary

|                                       |  |
|---------------------------------------|--|
| Conversion time                       | 5 ms   |
| Measurement resolution                | 1.28 mV +/- 10 V<br>2.56 µA 0...20 mA<br>2.56 µA 4...20 mA   |
| Electrical Connection                 | 1 SUB-D 25 connector   |
| Measurement error                     | 0.14 % of full scale +/- 10 V 25 °C<br>0.21 % of full scale 0...20 mA 25 °C<br>0.21 % of full scale 4...20 mA 25 °C<br>0.28 % of full scale +/- 10 V 0...60 °C<br>0.52 % of full scale 0...20 mA 0...60 °C<br>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<br>Overload 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 µH   |
| Maximum load capacitance              | 0.1 µF   |
| Marking                               | CE   |
| Current consumption                   | 200 mA 5 V DC<br>300 mA 24 V DC  |
| Module format                         | Standard   |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

|                       |                       |
|-----------------------|-----------------------|
| <b>Product Weight</b> | 1.01 lb(US) (0.46 kg) |
|-----------------------|-----------------------|

## Environment

|                  |  |
|------------------|--|
| <b>Standards</b> | 93/68/EEC<br>CSA C22.2 No 213 Class I Division 2 Group A<br>CSA C22.2 No 142<br>73/23/EEC<br>CSA C22.2 No 213 Class I Division 2 Group B<br>89/336/EEC<br>CSA C22.2 No 213 Class I Division 2 Group D<br>UL 508<br>IEC 61131-2<br>92/31/EEC<br>CSA C22.2 No 213 Class I Division 2 Group C |
|------------------|--|

|                               |  |
|-------------------------------|--|
| <b>Product Certifications</b> | BV<br>RINA<br>DNV<br>LR<br>ABS<br>RMRS<br>GL |
|-------------------------------|--|

|  |                         |
|--|-------------------------|
| <b>Ambient air temperature for operation</b> | 32...140 °F (0...60 °C) |
|--|-------------------------|

|  |                            |
|--|----------------------------|
| <b>Ambient Air Temperature for Storage</b> | -13...158 °F (-25...70 °C) |
|--|----------------------------|

|                          |   |
|--------------------------|---|
| <b>Relative Humidity</b> | 10...95 % without condensation for operation<br>5...95 % without condensation for storage |
|--------------------------|---|

|                           |                             |
|---------------------------|-----------------------------|
| <b>Operating altitude</b> | 0...6561.68 ft (0...2000 m) |
|---------------------------|-----------------------------|

|                             |    |
|-----------------------------|----|
| <b>Protective treatment</b> | TC |
|-----------------------------|----|

|                                |      |
|--------------------------------|------|
| <b>IP Degree of Protection</b> | IP20 |
|--------------------------------|------|

|                         |   |
|-------------------------|---|
| <b>Pollution degree</b> | 2 |
|-------------------------|---|

## Ordering and shipping details

|                 |                                     |
|-----------------|-------------------------------------|
| <b>Category</b> | 22558-TSX PREMIUM, ATRIUM & PL7 PRO |
|-----------------|-------------------------------------|

|                          |      |
|--------------------------|------|
| <b>Discount Schedule</b> | PC22 |
|--------------------------|------|

|             |               |
|-------------|---------------|
| <b>GTIN</b> | 3389110876369 |
|-------------|---------------|

|                      |    |
|----------------------|----|
| <b>Returnability</b> | No |
|----------------------|----|

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|                   |    |
|-------------------|----|
| Country of origin | FR |
|-------------------|----|

## Packing Units

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|                        |     |
|------------------------|-----|
| Unit Type of Package 1 | PCE |
|------------------------|-----|

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|                       |   |
|-----------------------|---|
| Nbr. of units in pkg. | 1 |
|-----------------------|---|

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|                  |                 |
|------------------|-----------------|
| Package 1 Height | 2.2 in (5.5 cm) |
|------------------|-----------------|

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|                 |                   |
|-----------------|-------------------|
| Package 1 Width | 7.09 in (18.0 cm) |
|-----------------|-------------------|

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|                  |                   |
|------------------|-------------------|
| Package 1 Length | 10.2 in (26.0 cm) |
|------------------|-------------------|

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|                     |                   |
|---------------------|-------------------|
| Package weight(Lbs) | 16.4 oz (465.0 g) |
|---------------------|-------------------|

## Contractual warranty

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|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Use Longer



#### Lifetime extension

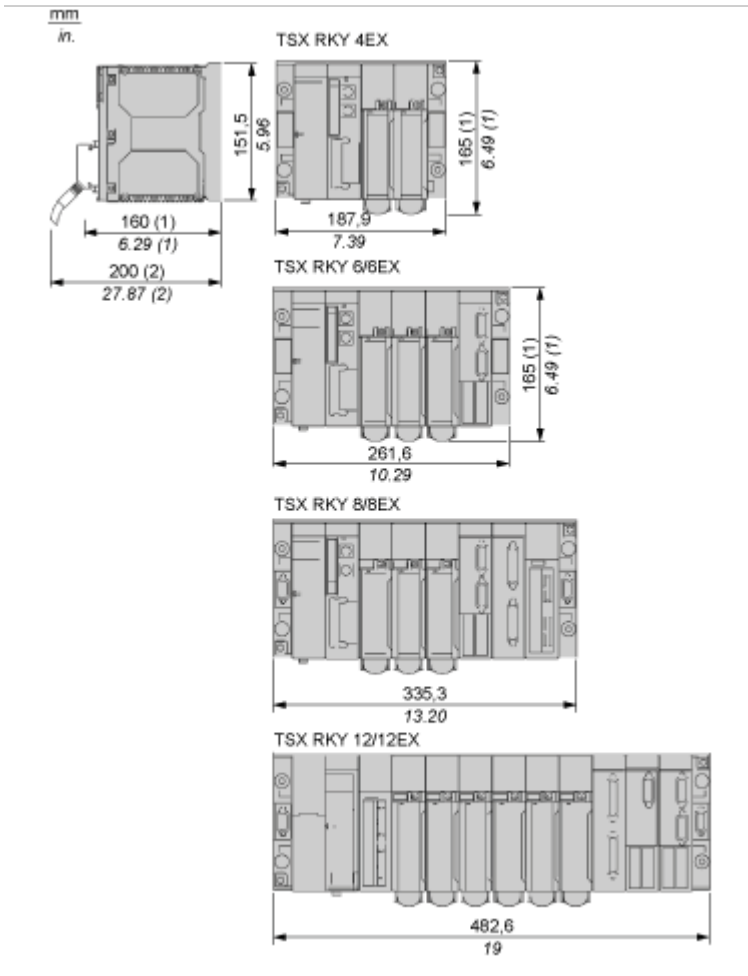
Repair

No

Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks



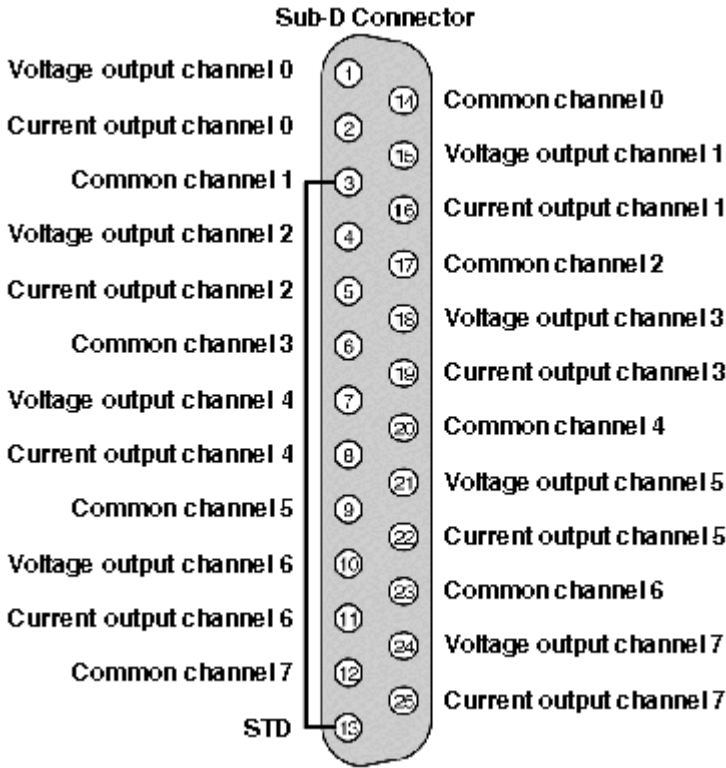
- (1) With screw terminal block modules.
- (2) Maximum depth for all types of modules and their associated connectors.

Connections and Schema

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

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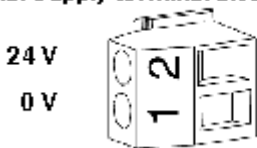
Connector Pin Assignment



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.