

Schneider TSXASZ401 Manual

Brand	Schneider
Product Series	Schneider
Product Type	Analog Output Module

Description

The TSXASZ401 from Schneider Electric is an analog output module designed for use in the TSX Micro PLCs series. This module provides four channels for output, supports a response time of 400 microseconds, and functions with an output type of 0 to 10 V or +/- 10 V.

Technical specifications for TSXASZ401

Manufacturer Schneider Electric

Product Type Analog Output Module

Product Line TSX Micro PLCs

Part Number TSXASZ401

EAN 3389110604535

Weight 1.00 lbs (0.45 kg)

Number of Channels 4

Response Time 400 μ s

Sustainable Offer Status Not Green Premium product

Output Type 0...10 V, +/- 10 V

Output Load $\geq$ 2 Ohms

Compliance RoHS

Analog/Digital Conversion 11 bits (0...10 V), 11 bits (+/- 10 V)

Protection Type Short-circuit protection

Temperature Drift 0.096%/10 °C

Current Consumption 90 mA

Isolation Voltage 1000 V AC

Main

Range of product

Modicon TSX Micro automation platform

Product or component type

Analog output module

Number of channels

4

Analogue output type

+/- 10 V

0...10 V

Complementary

Analog/digital conversion

11 bits 0...10 V

11 bits + sign +/- 10 V

Response time

400 μ s

Output load

$\geq 2 \text{ Ohm}$

Protection type

Short-circuit

Temperature drift

0.096 %/10 °C

Current consumption

90 mA

Isolation voltage

1000 V AC

Net weight

0.2 kg

Packing Units

Unit Type of Package 1

PCE

Number of Units in Package 1

1

Package 1 Height

5.5 cm

Package 1 Width

18.0 cm

Package 1 Length

26.0 cm

Package 1 Weight

636.0 g

Description

The Schneider Electric TSXASZ401 analog output module is designed for precision control in automation environments. This compact module, weighing in at 0.2 kg, offers four distinct channels for output configuration. With a response time of just 400 microseconds, it is well-suited for applications needing prompt signal processing.

The output capabilities of the TSXASZ401 include both 0 to 10 V and $\pm 10 \text{ V}$ options, catering to various control systems. The minimum output load requirement of 2 Ohms enhances its compatibility with a broad range of devices. This module adheres to RoHS standards, assuring compliance with environmental regulations.

In terms of signal clarity, the analog output conversion is provided with an 11-bit resolution, applicable to both output types. Protection against short circuits is integrated into the design, providing an added layer of safety during operation.

Temperature stability is assured with a drift of 0.096% for every 10 °C change. Current consumption is measured at 90 mA, keeping power usage efficient. Additionally, the module features an impressive isolation voltage of 1000 V AC, supporting its use in various demanding applications.

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Protection type

Short-circuit

Temperature drift

0.096 %/10 $^{\circ}$ C

Current consumption

90 mA

Isolation voltage

1000 V AC

Net weight

0.2 kg

Packing Units

Unit Type of Package 1

PCE

Number of Units in Pac

www.AutoDCSTech.com