Schneider □□□ Series Service Manual

TSXASZ401

1. 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.

2. Specifications

Specification	Value
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 µs
Sustainable	Offer Status Not Green Premium product
Output	Type 0...10 V, +/- 10 V
Output	Load >= 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	µs
Output	load
>=	2 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 Pac

3. Product Information

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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 µs

Sustainable Offer Status Not Green Premium product

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

Output Load >= 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 µs

Output load

>= 2 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 +/- 10 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.