

Schneider Series Service Manual

TSXSAZ10

1. Description

The Schneider Electric TSXSAZ10 is designed as an AS-Interface master module for integration within the TSX Micro PLCs series. With a capacity to manage up to 31 server devices, it enables seamless communication and control in automation setups. It handles a total of 4 discrete inputs and 4 discrete outputs, facilitating straightforward I/O management.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Line TSX Micro PLCs
Part	Number TSXSAZ10
EAN	3389110738070
Weight	1.00 lbs (0.45 kg)
Type	AS-Interface master module
Compatible	Cabling System AS-Interface cabling system
Addressing	Option Standard
Number	of Server Devices 31 devices
Discrete	Input Capacity 4 inputs
Discrete	Output Capacity 4 outputs
IP	Rating IP20
Operating	Temperature 0 to 60 degrees Celsius
Storage	Temperature -25 to 70 degrees Celsius
Power	Supply From host platform
Relative	Humidity 5% to 95%, non-condensing
Range	of Product
Modicon	Premium Automation platform
Product	or Component Type
AS-Interface	master module
Complementary	
Range	Compatibility
AS-Interface	cabling system
Actuator	sensor interface profile [AS-i]
M2	
AS-i	version
V1	
Addressing	
Standard	
Number	of server device(s)
31,	standard
Type	of connectable interfaces
Discrete	I/Os (4I/4O)
Electrical	connection
Terminal	block AS-Interface line
Supply	
Via	power supply integrated into the host platform of the module
Environ	

3. Product Information

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Technical specifications for TSXSAZ10

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EAN 3389110738070

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Range of Product

Modicon Premium Automation platform

Product or Component Type

AS-Interface master module

Complementary

Range Compatibility

AS-Interface cabling system

Actuator sensor interface profile [AS-i]

M2

AS-i version

V1

Addressing

Standard

Number of server device(s)

31, standard

Type of connectable interfaces

Discrete I/Os (4I/4O)

Electrical connection

Terminal block AS-Interface line

Supply

Via power supply integrated into the host platform of the module

Environment

Product Certifications

AS-Interface No 12001

Standards

IEC 60068-2-6, Fc tests

IEC 60068-2-27, Ea tests

IEC 61131-2

Ambient Air Temperature for Operation

32...140 °F (0...60 °C)

Ambient Air Temperature for Storage

-13...158 °F (-25...70 °C)

IP Degree of Protection

IP20

Ordering and shipping details

Category

US1PC1422556

Discount Schedule

PC14

GTIN

3389110738070

Returnability

No

Packing Units

Unit Type of Package 1

PCE

Nbr. of units in pkg.

1

Package 1 Height

2.2 in (5.5 cm)

Package 1 Width

2.2 in (5.7 cm)

Package 1 Length

10.04 in (25.5 cm)

Package weight(Lbs)

11.4 oz (324.0 g)

Description

The TSXSAZ10 from Schneider Electric acts as an AS-Interface master module in the TSX Micro PLCs series. It provides essential connectivity for automation systems utilizing the AS-Interface cabling framework. The module can address a maximum of 31 devices, making it effective for medium-sized setups. With 4 discrete inputs and 4 discrete outputs, it easily accommodates a range of control and signaling tasks.

Designed with an IP20 rating, this unit is best suited for environments where direct exposure to dust and moisture is limited. It functions within an operating temperature spectrum of 0 to 60 degrees Celsius, ensuring stability in various conditions. In terms of storage, it withstands lower temperatures down to -25 degrees Celsius and can tolerate up to 70 degrees Celsius. The humidity range for operational effectiveness is generous, from 5% to 95% relative humidity, provided that conditions remain non-condensing.

This module is powered from the host platform, streamlining installation and reducing the need for external power supplies, enhancing system integration and efficiency. Overall, the TSXSAZ10 serves as a reliable component in enhancing AS-Interface setups, combining flexibility and ease of use.