

Schneider Series Service Manual

TSXETY4103

1. Description

The TSXETY4103 by Schneider Electric is designed as an Ethernet TCP/IP module, enabling effective communication within the TSX Micro PLCs series. It features a standard module format.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Type Ethernet TCP/IP module
Product	Line TSX Micro PLCs
Part	Number TSXETY4103
EAN	3595863767650
Weight	1.00 lbs (0.45 kg)
Product	Compatibility PL7 Pro, Unity Pro
Module	Format Standard
Current	Consumption 360 mA at 5 V DC
Web	Services Rack viewer, Data Editor (via PC terminal)
Web	Server Transparent ready class B30 web feature
Max.	Number of Connections 64
Physical	Interface RJ45 - 10BASE-T/100BASE-TX 1 twisted pair
Transmission	Rate 10/100 Mbit/s
Communication	Protocols Uni-Telway, Modbus TCP
Communication	Services Bandwidth management, FDR server, Global Data I/O scanning, Modbus TCP messaging, SMTP e-mail notification, SNMP agent, Uni-TE messaging
Supply	Via the power supply of the rack
Local	Signalling 1 LED for collision detection (COL), 1 LED for Ethernet network status (RUN), 1 LED for Ethernet port fault (ERR), 1 LED for transmission/reception activity (TX/TR)

3. Product Information

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Technical specifications for TSXETY4103

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Product Line TSX Micro PLCs

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EAN 3595863767650

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Description

The TSXETY4103 Ethernet TCP/IP module from Schneider Electric integrates seamlessly with the TSX Micro PLCs lineup. Weighing a light 0.34 kg, it is crafted to maximize functionality in automation tasks. This module's standard format is compatible with prominent software such as PL7 Pro and Unity Pro, broadening its usability. Current consumption is rated at 360 mA at a 5 V DC supply, with connections limited to a maximum of 64 concurrent sessions, ensuring ample communication capacity for diverse applications. The physical interface utilizes an RJ45 connector, supporting twisted pair configurations for both 10BASE-T and 100BASE-TX protocols. Adapting to the communication requirements, the achievable transmission rates are either 10 or 100 Mbit/s. The communication capabilities comprise protocols including Uni-Telway and Modbus TCP. It supports an impressive range of services, including bandwidth management, Modbus TCP messaging, SMTP e-mail notifications, and SNMP agent functionalities. The module's local signaling includes four LEDs that indicate collision detection, Ethernet network status, port faults, and activity for transmission and reception. Power is facilitated via the rack's supply, ensuring a streamlined setup within existing systems. The web server is classified as transparent ready class B30, enhancing the module's web services, which include a rack viewer and data editing via PC terminal.

Range of product

Modicon Premium Automation platform

Product or component type

Ethernet TCP/IP module

Physical interface

RJ45 - 10BASE-T/100BASE-TX 1 twisted pair

Transmission rate

10/100 Mbit/s

Communication service

Bandwidth management

FDR server

Global Data

I/O scanning

Modbus TCP messaging

SMTP e-mail notification

SNMP agent

Uni-TE messaging

Supply

Via the power supply of the rack

Local signalling

1 LED for collision detection (COL)

1 LED for Ethernet network status (RUN)

1 LED for Ethernet port fault (ERR)

1 LED for transmission/reception activity (TX/TR)

Complementary

Communication port protocol

Modbus TCP

Uni-Telway

Maximum number of connections

64

Web server

Transparent ready class B30

web feature

Rack viewer

Data Editor (via PC terminal)

Marking

CE

Product compatibility

PL7 Pro

Unity Pro

Current consumption

360 mA 5 V DC

Module format

Standard

Net weight

0.34 kg

Environment

Standards

CSA 1010-1

FM Class 1 Division 2 group A

FM Class 1 Division 2 group C

FM Class 1 Division 2 group B

FM Class 1 Division 2 group D

EN 61131-2

UL 508

IP degree of protection

IP20

Ambient air temperature for operation

0...60 °C

Relative humidity

10...95 % at 60 °C without condensation

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

426.0 g