

Schneider Series Service Manual

TSXRKY12

1. Description

The TSXRKY12 by Schneider Electric is a specialized non-extendable rack designed exclusively for single rack setups. This module is fully compatible with the MODICON Premium systems and offers twelve available slots for configuration.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Line Modicon
Part	Number TSXRKY12
Weight	5.00 lbs (2.27 kg)
Description	of Module Non-extendable rack
Purpose	Single rack configuration
Compatibility	MODICON Premium
Number	of Slots 12
Mounting	Plate mounted
Fixing	Mode (Panel) 4x M6 screws
Fixing	Mode (DIN Rail) Clips (35mm symmetrical DIN Rail)
Ambient	Operating Temperature 0 to 60 °C
Ambient	Storage Temperature -25 to 70 °C
Relative	Humidity 5 to 95 % without condensation
Altitude	0 to 2000 meters
Pollution	Degree 2
Degree	of Protection IP20

3. Product Information

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Technical specifications for TSXRKY12

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Product Line Modicon

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Purpose Single rack configuration

Compatibility MODICON Premium

Number of Slots 12

Mounting Plate mounted

Fixing Mode (Panel) 4x M6 screws

Fixing Mode (DIN Rail) Clips (35mm symmetrical DIN Rail)

Ambient Operating Temperature 0 to 60 °C

Ambient Storage Temperature -25 to 70 °C

Relative Humidity 5 to 95 % without condensation

Altitude 0 to 2000 meters

Pollution Degree 2

Degree of Protection IP20

Description

The Schneider Electric TSXRKY12 is a non-extendable rack module intended for specific applications within the MODICON Premium series. Designed for single rack configurations, this unit includes twelve slots that provide ample space for component installation. It weighs 2.31 kg (5.1 lbs), making it easy to handle during installation.

Mounting options for the TSXRKY12 include panel mounting with four M6 screws or a clip system that can accommodate a 35mm symmetrical DIN rail. The module operates effectively within an ambient temperature range of 0 to 60 °C and can be stored in temperatures between -25 and 70 °C. It also functions reliably in environments with 5 to 95% relative humidity, provided that condensation does not occur.

The rack is designed to operate at altitudes up to 2000 meters. With a pollution degree rating of 2, the TSXRKY12 is equipped to handle common environmental challenges while maintaining its integrity. Its degree of protection, rated at IP20, indicates suitable resistance from solid objects and dust, although it is not rated for moisture protection. Overall, this module serves as an efficient solution for establishing structured control systems in various industrial settings.

Main

Range of Product

Modicon Premium Automation platform

Product or Component Type

Non-extendable rack

Product Specific Application

For single rack configuration

Complementary

Number of slots

12

Product Compatibility

TSXPSY power supply

TSXP57 processor

Specific application module

I/O module

Fixing mode

By 4 M6 screws (panel)

By clips (35 mm symmetrical DIN rail)

Marking

CE

Net Weight

5.09 lb(US) (2.31 kg)

Environment

Standards

CSA C22.2 No 213 Class I Division 2 Group C

92/31/EEC

CSA C22.2 No 213 Class I Division 2 Group A

UL 508

73/23/EEC

93/68/EEC

89/336/EEC

CSA C22.2 No 213 Class I Division 2 Group D

IEC 61131-2

CSA C22.2 No 142

CSA C22.2 No 213 Class I Division 2 Group B

Product Certifications

RINA

ABS

BV

DNV

GL

LR

RMRS

Ambient Air Temperature for Operation

32...140 °F (0...60 °C)

Ambient Air Temperature for Storage

-13...158 °F (-25...70 °C)

Relative Humidity

10...95 % without condensation for operation

5...95 % without condensation for storage

Operating altitude

0...6561.68 ft (0...2000 m)

Protective treatment

TC

IP Degree of Protection

IP20

Pollution degree

2

Ordering and shipping details

Category

22558 - TSX PREMIUM, ATRIUM & PL7 PRO

Discount Schedule

PC22

GTIN

3389110725643

Returnability

No

Country of origin

FR

Packing Units

Unit Type of Package 1

PCE

Nbr. of units in pkg.

1

Package 1 Height

2.2 in (5.6 cm)

Package 1 Width

8.07 in (20.5 cm)

Package 1 Length

22.4 in (56.8 cm)

Package weight(Lbs)

4.98 lb(US) (2.26 kg)