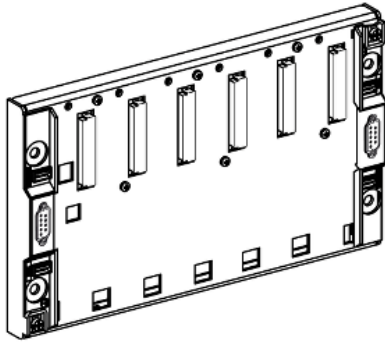# Product datasheet

Specifications

extendable rack - for multi-racks configuration - 6 slots - IP20

TSXRKY6EX

⚠ Discontinued on: 23 January 2021

⚠ To be end-of-service on: 31 December 2026

⚠ **Discontinued - Service only**

Main

Range of product	Modicon Premium Automation platform
Product or component type	Extendable rack
Product specific application	For multi-racks configuration

Complementary

Number of slots	6
Product compatibility	Specific application module TSXPSY power supply I/O module TSXP57 processor
Electrical connection	2 connectors female SUB-D 9 (remote connection of bus X)
Fixing mode	By 4 M6 screws (panel) By clips (35 mm symmetrical DIN rail)
Marking	CE
Net weight	1.5 kg

Environment

Standards	IEC 61131-2 CSA C22.2 No 213 Class I Division 2 Group A UL 508 93/68/EEC CSA C22.2 No 213 Class I Division 2 Group D 92/31/EEC 73/23/EEC CSA C22.2 No 213 Class I Division 2 Group B CSA C22.2 No 213 Class I Division 2 Group C 89/336/EEC CSA C22.2 No 142
Product certifications	ABS BV RINA RMRS LR DNV GL
Ambient air temperature for operation	0…60 °C
Ambient air temperature for storage	-25…70 °C
Relative humidity	10…95 % without condensation for operation 5…95 % without condensation for storage

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Operating altitude	0...2000 m
Protective treatment	TC
IP degree of protection	IP20
Pollution degree	2

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.334 cm
Package 1 Width	20.574 cm
Package 1 Length	34.544 cm
Package 1 Weight	1.002 kg
Unit Type of Package 2	S04
Number of Units in Package 2	9
Package 2 Height	30 cm
Package 2 Width	40 cm
Package 2 Length	60 cm
Package 2 Weight	11.754 kg

Contractual warranty
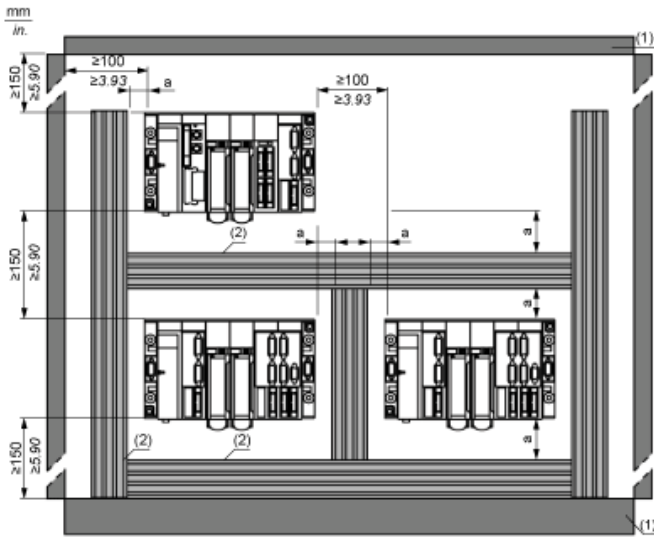
Warranty	12 months

Standard and Extendable Racks for Modules Mounting
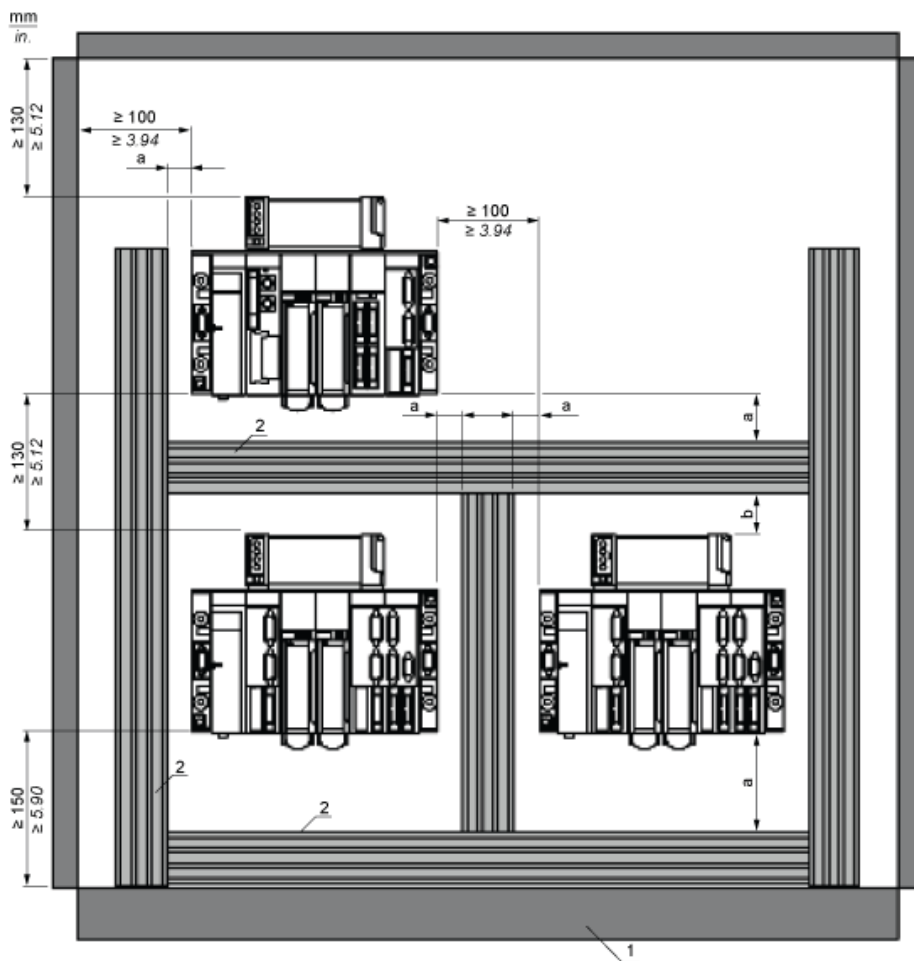
Dimensions of Modules and Racks
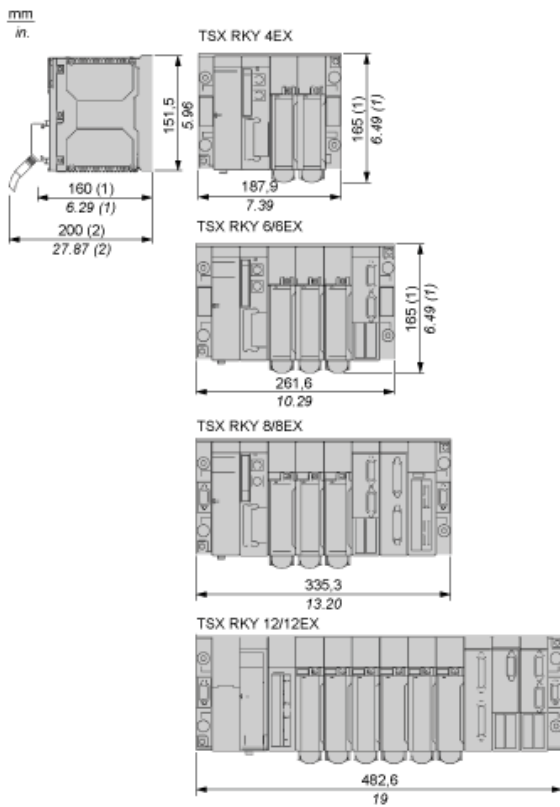
(**1**) With screw terminal block modules.

(**2**) Maximum depth for all types of modules and their associated connectors.

Racks Installation Rules

a   Greater than or equal to 50 mm / 1.97 in.
(1)   Installation or casing
(2)   Trough or cable tray

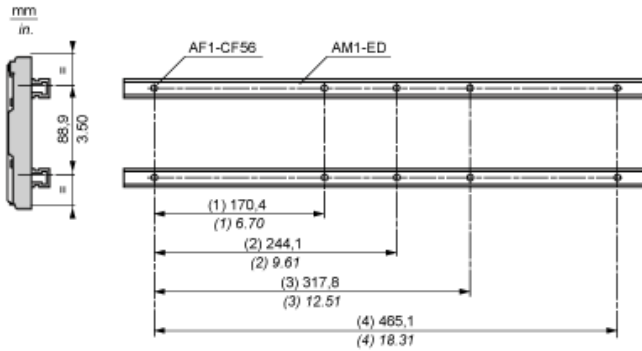**Rules for Installing Racks Fitted with Ventilation Modules**

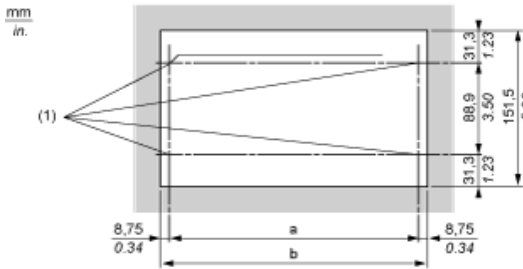|	
a	50 mm / 1.97 in.
b	30 mm / 1.18 in.
1	Installation or casing
2	Trough or cable tray

Mounting and Fixing Racks

Mounting on a 35 mm/1.38 in. Wide DIN Rail

Fixing with four M6x25 screws + washers and AF1-CF56 ¼ turn sliding nuts.

(**1**) TSXRKY4EX
(**2**) TSXRKY6 and TSXRK6EX
(**3**) TSXRKY8 and TSXRKY8EX
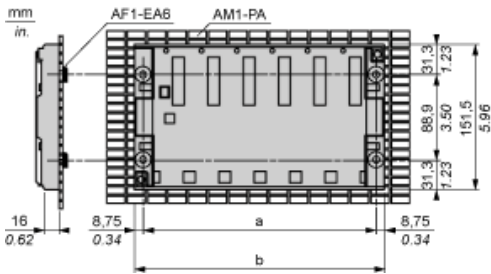(**4**) TSXRKY12 and TSXRKY12EX

Mounting on a Panel

(**1**)   4 holes for M6 fixing screws
a, b: see table below

Mounting on an AM1-PA Telequick Mounting Grid

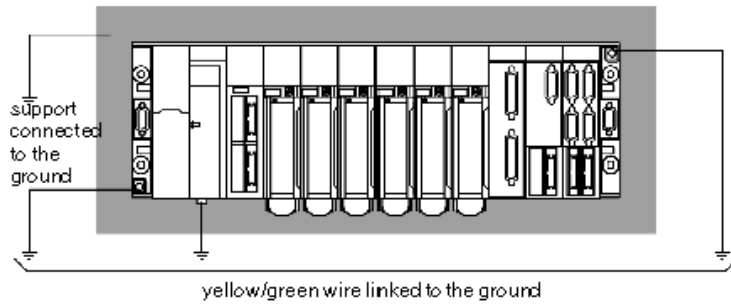Fix the rack using four M6x25 screws + washers and AF1-EA6 clips nuts.

Racks	a in mm	a in in.	b in mm	b in in.
TSXRKY4EX	170.4	6.70	187.9	7.39
TSXRKY6/6EX	244.1	9.61	261.6	10.29
TSXRKY8/8EX	317.8	12.51	335.3	13.20
TSXRKY12/12EX	465.1	18.31	482.6	19

NOTE: Maximum tightening torque for fixing screws: 2.0.N.m.(1.6 Lb.-ft.)

Connection to the Ground

Grounding Racks

yellow/green wire linked to the ground

NOTE: The PLC's internal 0 V is linked to the ground connection, the ground connection itself being linked to ground.

Recommended replacement(s)

TSXRKY6EX is replaced by:

1x		**rack M340 - 8 slots - panel, plate or DIN rail mounting** BMXXBP0800