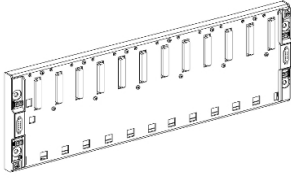


Product datasheet

Specifications

Extendable rack, Modicon Premium, for multi racks configuration, 12 slots



TSXRKY12EX

⚠ To be discontinued on: 31 Dec 2026

⚠ To be end-of-service on: 31 Dec 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	12
Product compatibility	TSXP57 processor I/O module Specific application module TSXPSY power supply
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	2.34 kg

Environment

Standards	CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 213 Class I Division 2 Group D 92/31/EEC CSA C22.2 No 213 Class I Division 2 Group B 93/68/EEC 89/336/EEC CSA C22.2 No 142 UL 508 CSA C22.2 No 213 Class I Division 2 Group C 73/23/EEC IEC 61131-2
Product certifications	ABS GL DNV LR BV RINA RMRS
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
Operating altitude	0...2000 m
Protective treatment	TC

IP degree of protection	IP20
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Pollution degree	2
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Packing Units

Unit Type of Package 1	PCE
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Number of Units in Package 1	1
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Package 1 Height	5.5 cm
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Package 1 Width	21.0 cm
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Package 1 Length	57.0 cm
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Package 1 Weight	2.302 kg
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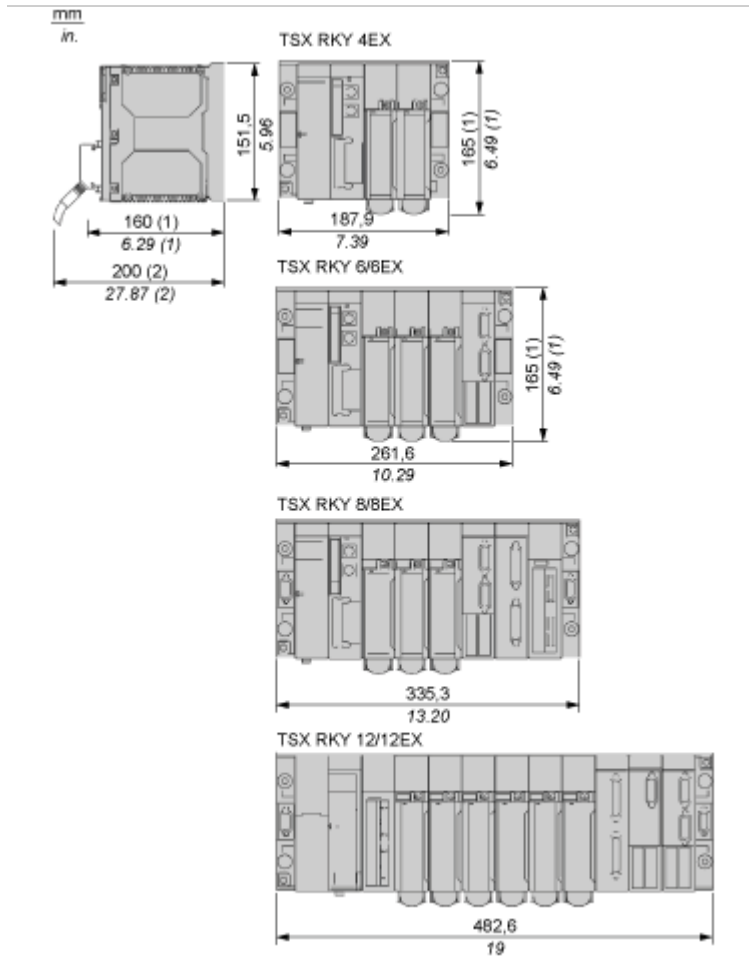
Contractual warranty

Warranty (in months)	18
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Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks

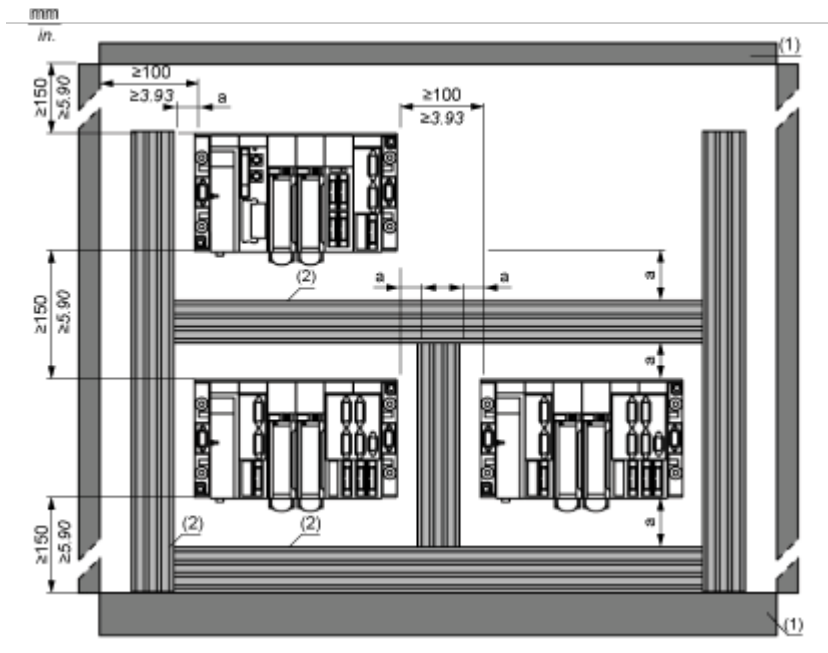


(1) With screw terminal block modules.

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

Mounting and Clearance

Racks Installation Rules



a Greater than or equal to 50 mm / 1.97 in.

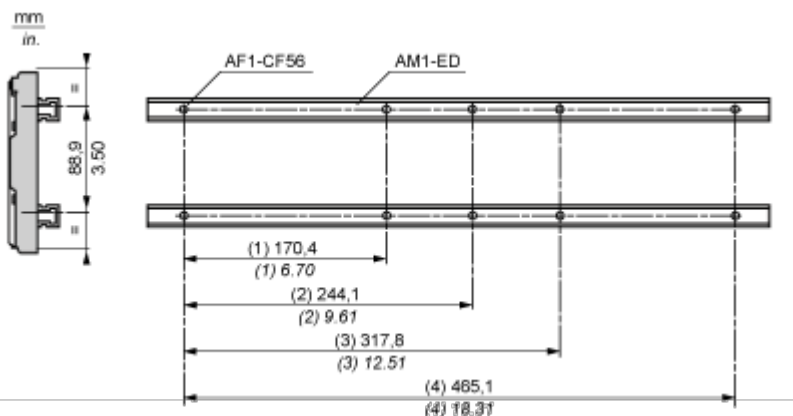
(1) Installation or casing

(2) Trough or cable tray

Mounting and Fixing Racks

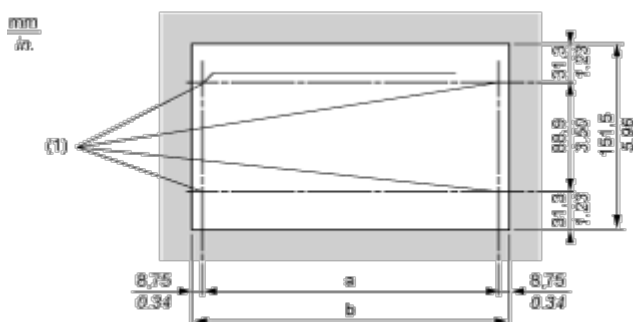
Mounting on a 35 mm/1.38 in. Wide DIN Rail

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

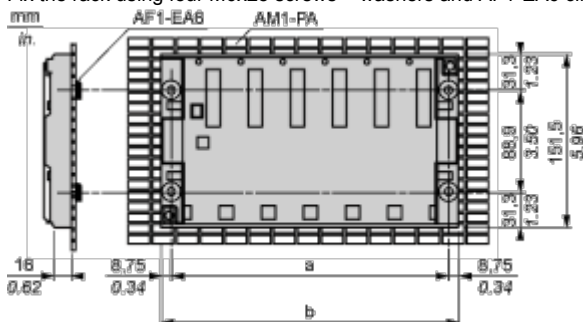
Mounting on a Panel



- (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

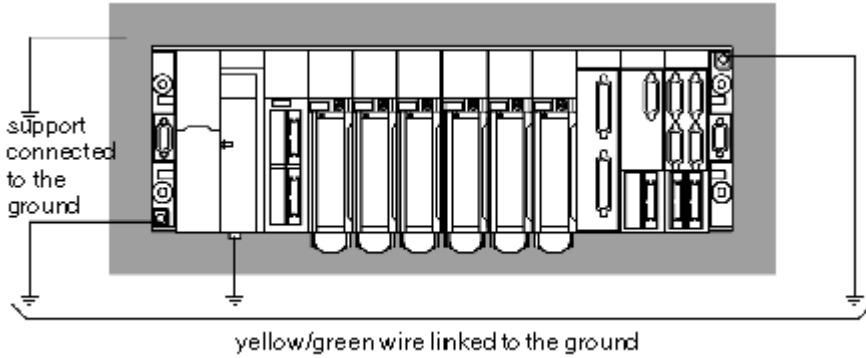
Racks	a in mm	a in in.	b in mm	b in in.
TSXRKY8/8EX	317.8	12.51	335.3	13.20
TSXRKY12/12EX	465.1	18.31	482.6	19

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

Connections and Schema

Connection to the Ground

Grounding Racks



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