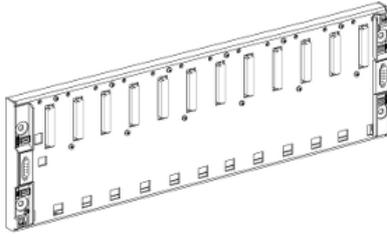


Product data sheet

Specifications

extendable rack - for multi-racks configuration - 12 slots - IP20



TSXRKY12EX

! Discontinued on: 31 December 2018

! 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 | 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 |
| Pollution degree | 2 |

Packing Units

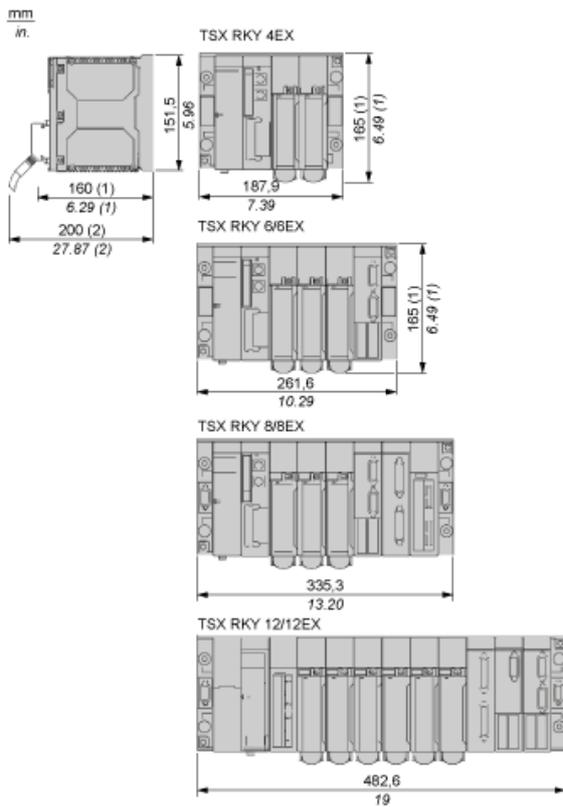
| | |
|-------------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 2.302 kg |
| Package 1 Height | 5.5 cm |
| Package 1 width | 21 cm |
| Package 1 Length | 57 cm |
| Unit Type of Package 2 | S04 |
| Number of Units in Package 2 | 7 |
| Package 2 Weight | 17.061 kg |
| Package 2 Height | 30 cm |
| Package 2 width | 40 cm |
| Package 2 Length | 60 cm |

Contractual warranty

| | |
|-----------------|-----------|
| Warranty | 18 months |
|-----------------|-----------|

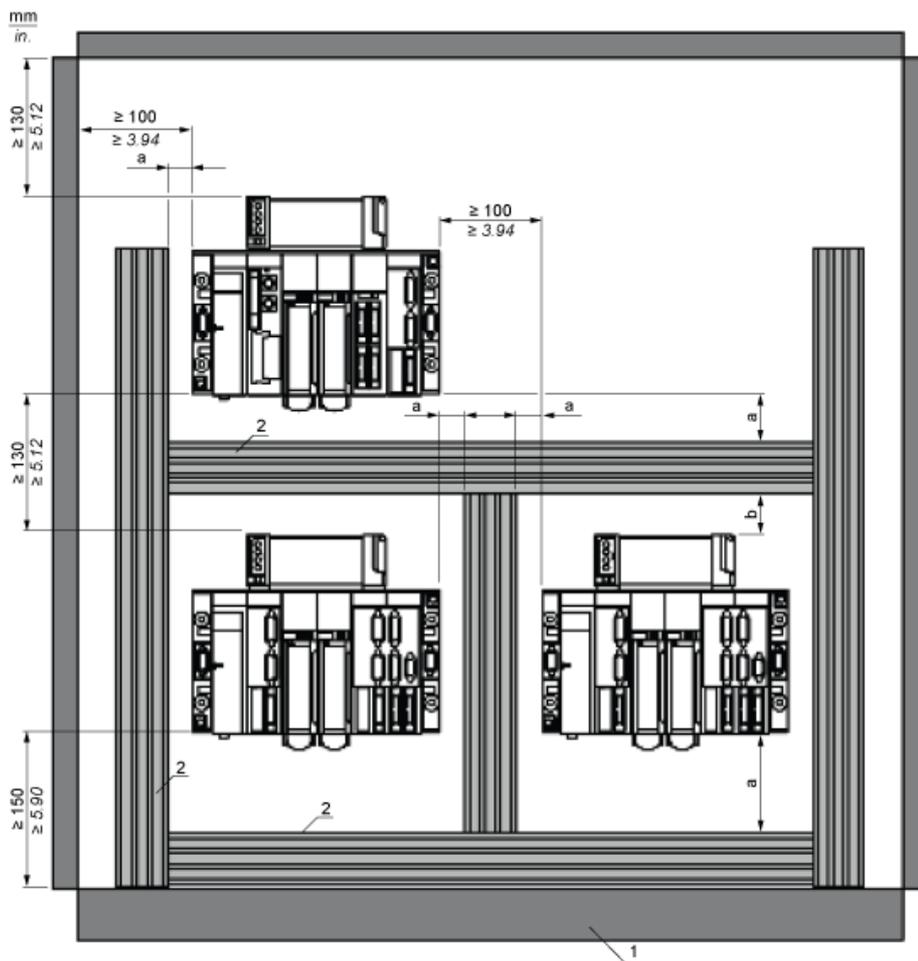
Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks



- (1) With screw terminal block modules.
- (2) Maximum depth for all types of modules and their associated connectors.

Rules for Installing Racks Fitted with Ventilation Modules

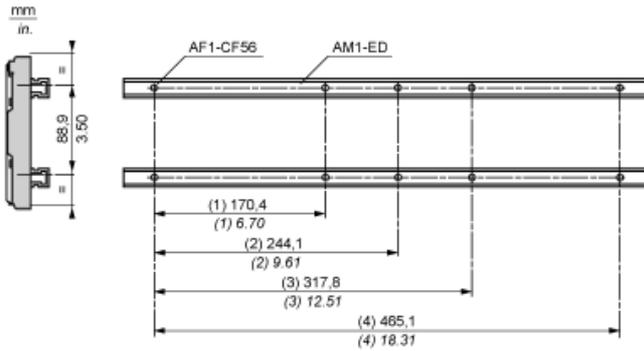


- a 50 mm / 1.97 in.
- b 30 mm / 1.18 in.
- 1 Installation or casing
- 2 Trough or cable tray

Mounting and Fixing Racks

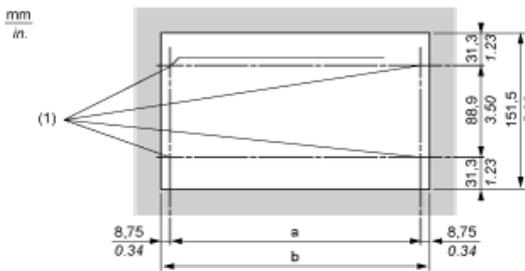
Mounting on a 35 mm/1.38 in. Wide DIN Rail

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

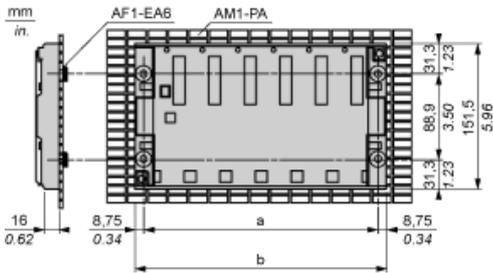
Mounting on a Panel



- (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.

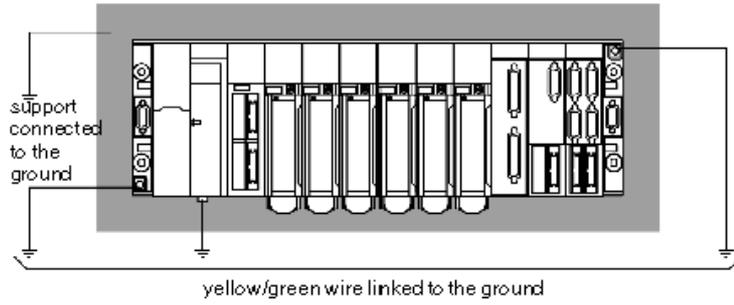


| Racks | a in mm | a in in. | b in mm | b in in. |
|---------------|---------|----------|---------|----------|
| TSXRKY4EX | 170.4 | 6.70 | 187.9 | 7.39 |
| TSXRKY6/6EX | 244.1 | 9.61 | 261.6 | 10.29 |
| TSXRKY8/8EX | 317.8 | 12.51 | 335.3 | 13.20 |
| TSXRKY12/12EX | 465.1 | 18.31 | 482.6 | 19 |

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

Connection to the Ground

Grounding Racks



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

Recommended replacement(s)

TSXRKY12EX is replaced by:

1x



rack X80 - 12 slots - Ethernet backplane
BMEXBP1200