

Product datasheet

Specifications



power supply module - 24..48 V DC
- <= 1500/<= 3000 mA - IP20

TSXPSY5520MC

⚠ Discontinued on: 31 Dec 2017

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

⚠ Discontinued - Service only

Main

Range of product	Modicon Premium Automation platform
Product or component type	Power supply module

Complementary

Primary voltage	24...48 V DC 19.2...60 V
Input current	<= 1500 mA 48 V <= 3000 mA 24 V
Inrush current	15 A 24 V 15 A 48 V
I ² t on activation	50 A ² .s 24 V 55 A ² .s 48 V
It on activation	6 A.s 48 V 7 A.s 24 V
Protection type	Internal fuse 5 A 5 x 20 mm time-delayed primary circuit Overload protection secondary circuit Overvoltage protection secondary circuit Short-circuit protection secondary circuit
Total useful secondary power	50 W
Secondary power	19 W 24 V DC 35 W 5 V DC
Current at secondary voltage	0.8 A 24 V DC relay power supply 7 A 5 V DC
Insulation resistance	>= 10 mOhm primary/ground >= 10 mOhm primary/secondary
Marking	CE
Local signalling	1 LED (green) for presence of voltages (OK) 1 LED (red) for battery fault (BAT)
Module format	Double
Net weight	0.89 kg

Environment

Immunity to microbreaks	1 ms
Dielectric strength	2000 V primary/earth 2000 V primary/secondary

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Standards	73/23/EEC 92/31/EEC CSA C22.2 No 213 Class I Division 2 Group D 89/336/EEC CSA C22.2 No 142 IEC 61131-2 93/68/EEC UL 508 CSA C22.2 No 213 Class I Division 2 Group B CSA C22.2 No 213 Class I Division 2 Group C CSA C22.2 No 213 Class I Division 2 Group A
Product certifications	LR RINA BV DNV RMRS GL ABS
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 Conformal coating Humiseal 1A33
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	9.5 cm
Package 1 Width	18.0 cm
Package 1 Length	26.0 cm
Package 1 Weight	1.026 kg

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

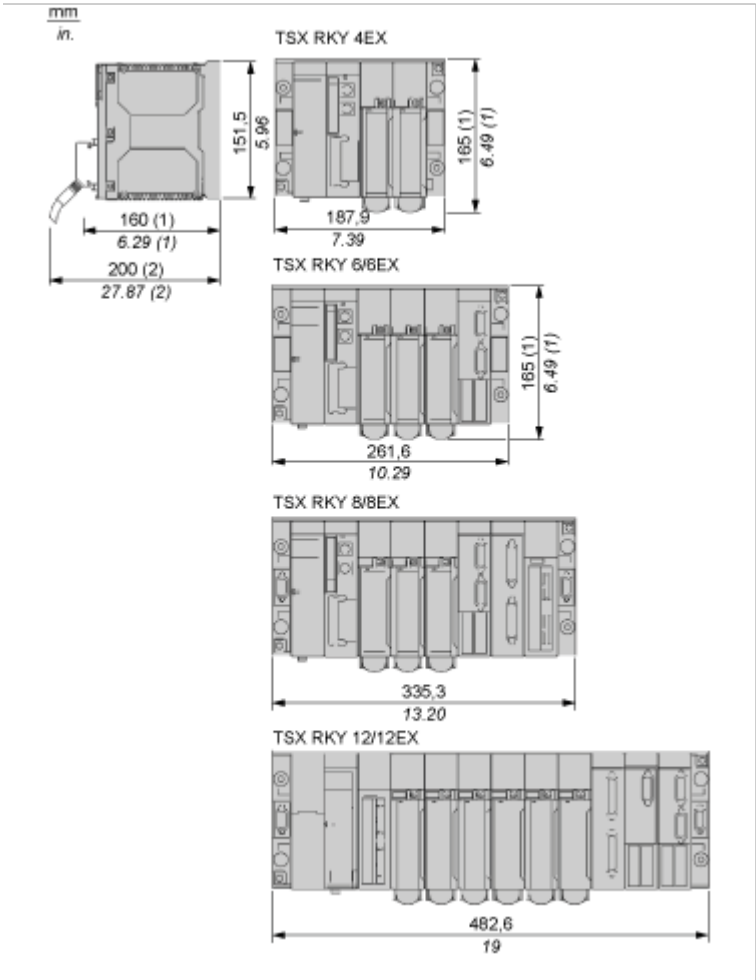
Use Longer

Lifetime extension	
Repair	No

Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

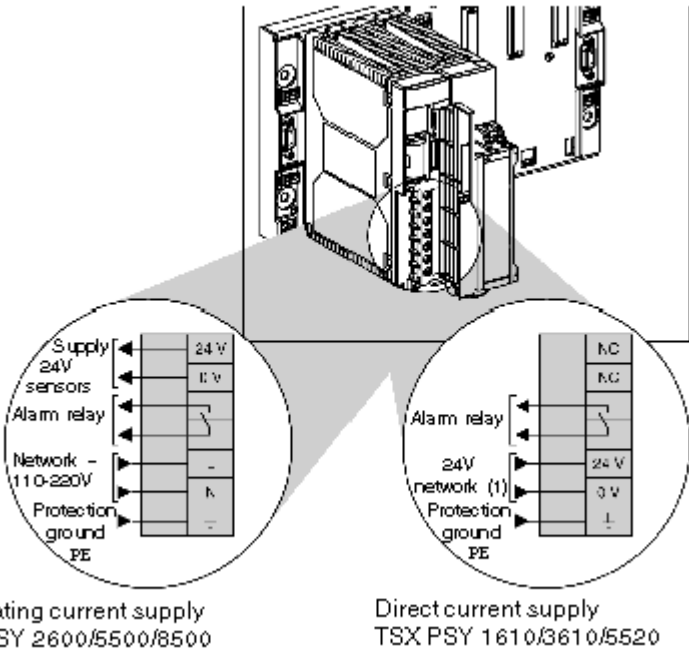
Dimensions of Modules and Racks



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

Connections and Schema

Connecting Power Supply Modules



(1) 24...48Vdc for the TSXPSY5520 supply module.
Provide a protection device and a switch gear upstream of the PLC station.