

Product data sheet

Specifications



power supply module - 24 V DC - <= 1500 mA - IP20

TSXPSY1610MC

⚠ Discontinued on: Jan 26, 2021

⚠ Discontinued

Main

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

Complementary

Primary voltage	24 V DC 19.2...30 V
Input current	<= 1500 mA 24 V
Inrush current	100 A 24 V
I ² t on activation	12.5 A ² .s
It on activation	0.2 A.s
Protection type	Internal fuse 3.5 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	30 W
Secondary power	15 W 24 V DC 15 W 5 V DC
Current at secondary voltage	0.6 A 24 V DC relay power supply 3 A 5 V DC
Marking	CE
Local signalling	1 LED (green) for presence of voltages (OK) 1 LED (red) for battery fault (BAT)
Module format	Standard
Net weight	1.19 lb(US) (0.54 kg)

Environment

Immunity to microbreaks	1 ms
Dielectric strength	2000 V primary/earth 2000 V primary/secondary
Standards	UL 508 CSA C22.2 No 213 Class I Division 2 Group D CSA C22.2 No 142 92/31/EEC 73/23/EEC 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group C 93/68/EEC CSA C22.2 No 213 Class I Division 2 Group B IEC 61131-2 CSA C22.2 No 213 Class I Division 2 Group A

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

Product certifications	BV RINA RMRS DNV ABS GL LR
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...2000 m
Protective treatment	Conformal coating Humiseal 1A33 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	2.2 in (5.5 cm)
Package 1 Width	7.09 in (18.0 cm)
Package 1 Length	10.2 in (26.0 cm)
Package 1 Weight	21.8 oz (619.0 g)
Unit Type of Package 2	S03
Number of Units in Package 2	4
Package 2 Height	11.8 in (30 cm)
Package 2 Width	11.8 in (30 cm)
Package 2 Length	15.7 in (40 cm)
Package 2 Weight	6.594 lb(US) (2.991 kg)

Contractual warranty

Warranty (in months)	18
----------------------	----



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 Better

Materials and Substances	
EU RoHS Directive	Compliant

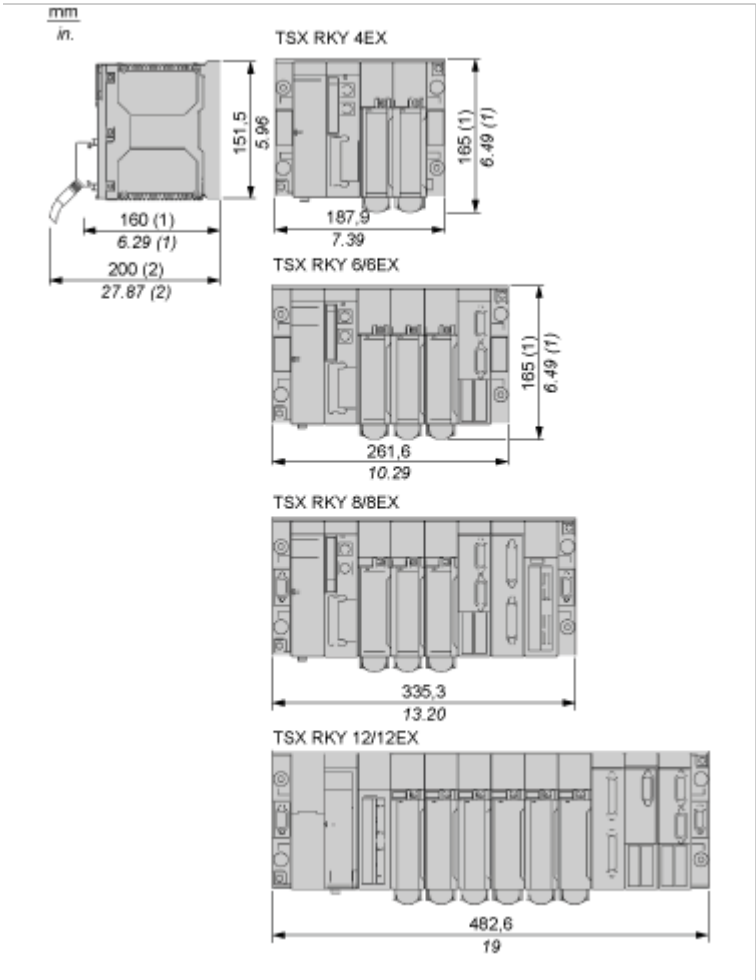
Use Longer

Lifetime extension	
Repair	No

Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

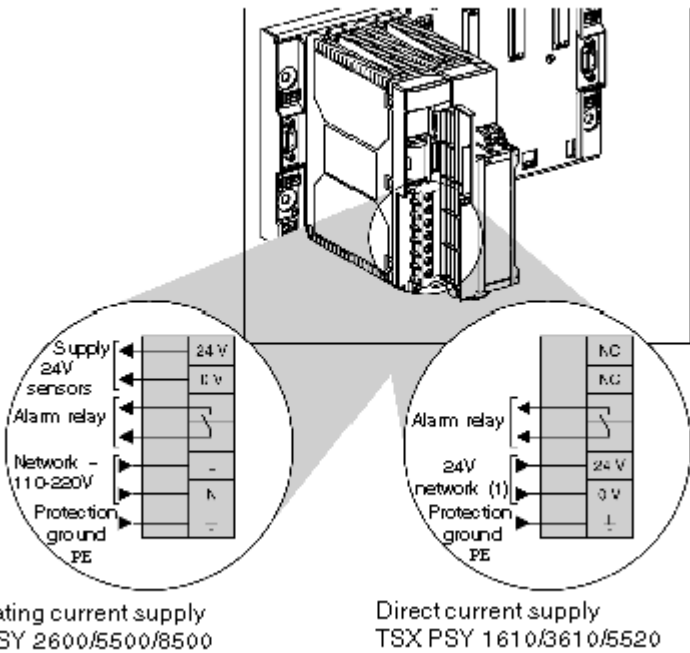
Dimensions of Modules and Racks



- (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.