

Product data sheet

Specifications



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

TSXPSY1610M

- ❗ 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	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
I²t on activation	12.5 A².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	0.54 kg

Environment

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

Product certifications	RMRS LR ABS RINA BV GL DNV
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

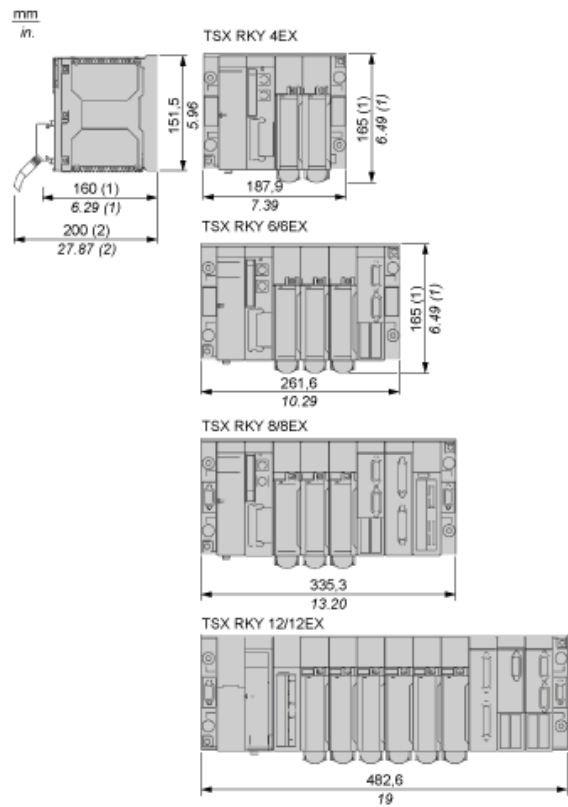
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.5 cm
Package 1 Width	18.0 cm
Package 1 Length	26.0 cm
Package 1 Weight	619.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	5.467 kg

Contractual warranty

Warranty	18 months
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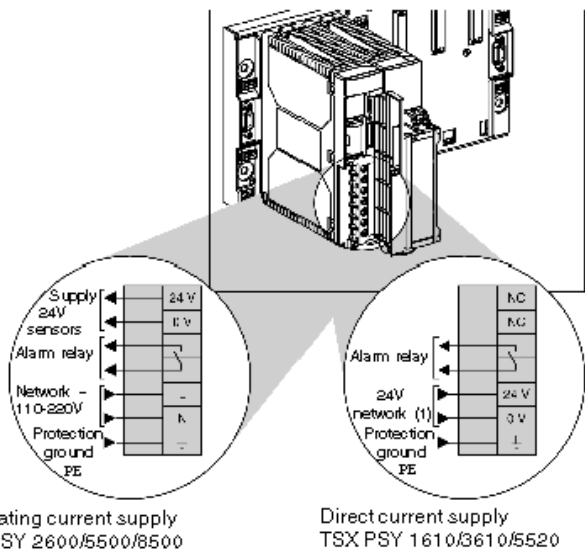
Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks



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

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.

Recommended replacement(s)

TSXPSY1610M is replaced by:

1x



power supply module X80 - 24 V DC - 16.8 W
BMXCPS2010