Product data sheet

Specifications

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

TSXPSY5520MC

⚠ **Discontinued on:** Dec 31, 2017

⚠ **To be end-of-service on:** Dec 31, 2025

⚠ **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
I²T On Activation	50 A².s 24 V 55 A².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

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	18 months

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Sustainability

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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm.For more information go to www.p65warnings.ca.gov

Dimensions Drawings

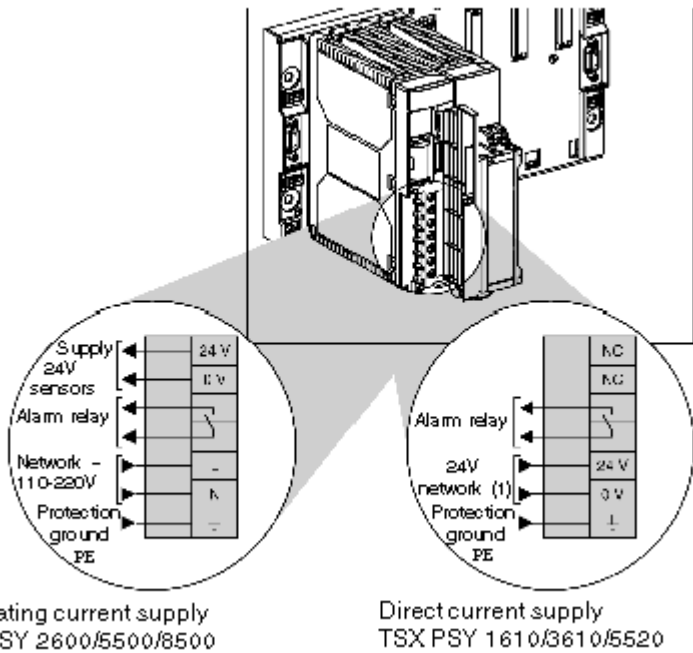## Standard and Extendable Racks for Modules Mounting

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

Alternating current supply
TSX PSY 2600/5500/8500

Direct current supply
TSX PSY 1610/3610/5520

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