

Product data sheet

Specifications



Power supply module, Modicon Premium, input current of 1700mA, secondary power of 50W, 85 to 140VAC and 190 to 264VAC

TSXPSY5500M

⚠ Discontinued - Service only

⚠ Discontinued on: 31 December 2018

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

Main

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

Complementary

Primary voltage	100...120 V AC 85...140 V 200...240 V AC 190...264 V
Network frequency	50/60 Hz
Network frequency limits	47...63 Hz
Input current	1700 mA 100 V 500 mA 240 V
Inrush current	38 A 100 V 38 A 240 V
I ² t on activation	2 A ² .s 240 V 4 A ² .s 100 V
It on activation	0.11 A.s 100 V 0.11 A.s 240 V
Protection type	Internal fuse 4 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 0.8 A 24 V DC sensor power supply 7 A 5 V DC
Insulation resistance	>= 100 MOhm primary/ground >= 100 MOhm primary/secondary
Marking	CE
Local signalling	1 LED (green) for presence of sensor voltage (24V) 1 LED (green) for presence of voltages (OK) 1 LED (red) for battery fault (BAT)
Module format	Double
Net weight	0.62 kg

Environment

Immunity to microbreaks	10 ms
Dielectric strength	2000 V primary/earth 2000 V primary/secondary
Standards	73/23/EEC CSA C22.2 No 142 CSA C22.2 No 213 Class I Division 2 Group C 92/31/EEC UL 508 CSA C22.2 No 213 Class I Division 2 Group D CSA C22.2 No 213 Class I Division 2 Group B CSA C22.2 No 213 Class I Division 2 Group A IEC 61131-2 89/336/EEC 93/68/EEC
Product certifications	RMRS LR ABS GL RINA DNV BV
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

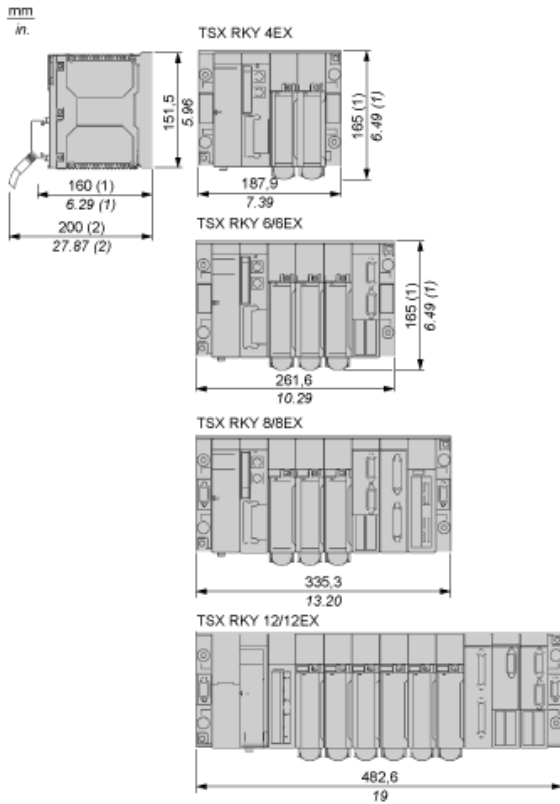
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.5 cm
Package 1 Width	18.0 cm
Package 1 Length	26.0 cm
Package 1 Weight	971.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	6
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	6.341 kg

Contractual warranty

Warranty	18 months
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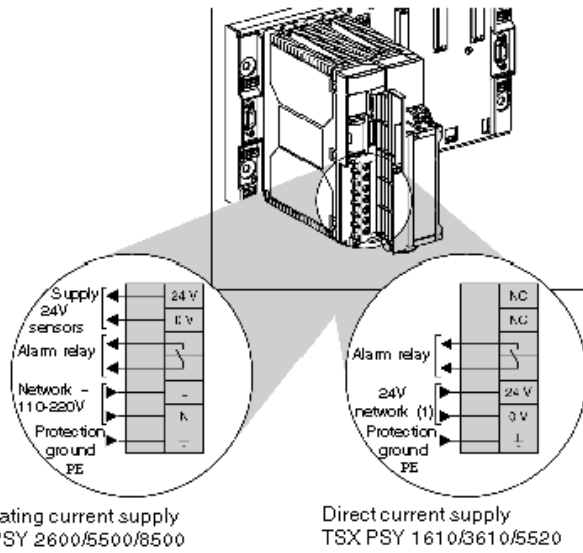
Standard and Extendable Racks for Modules Mounting

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



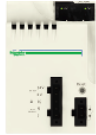
(1) 24...48Vdc for the TSXPSY5520 supply module.

Provide a protection device and a switch gear upstream of the PLC station.

Recommended replacement(s)

TSXPSY5500M is replaced by:

1x



power supply module X80 - 125 V DC - for extended temperature
BMXCPS3540T