

Product data sheet

Specifications



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

TSXPSY5520M

! 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...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 |
| Standards | CSA C22.2 No 213 Class I Division 2 Group D 93/68/EEC CSA C22.2 No 213 Class I Division 2 Group C |

89/336/EEC
 UL 508
 73/23/EEC
 92/31/EEC
 CSA C22.2 No 142
 IEC 61131-2
 CSA C22.2 No 213 Class I Division 2 Group B
 CSA C22.2 No 213 Class I Division 2 Group A

| | |
|--|---|
| Product certifications | RMRS DNV LR ABS RINA GL 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 | 1.02 kg |
| 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 | 6.561 kg |

Offer Sustainability

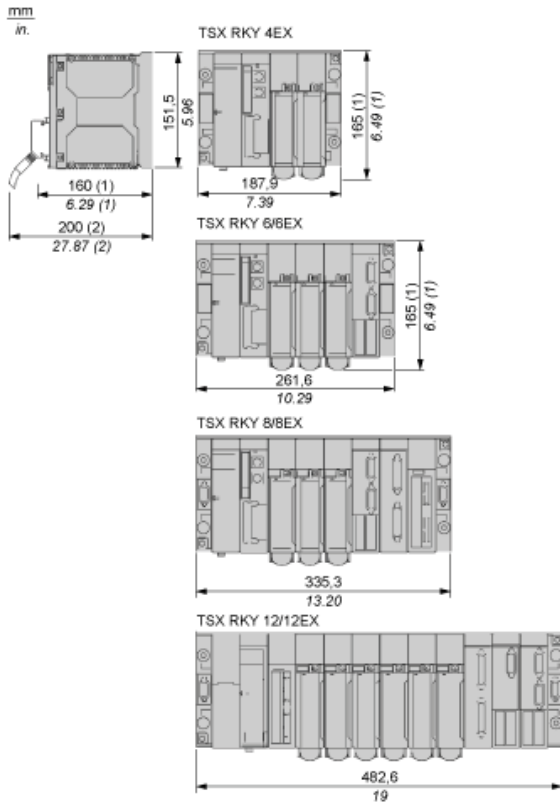
| | |
|----------------------------------|--|
| California proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov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

Contractual warranty

| | |
|-----------------|-----------|
| Warranty | 18 months |
|-----------------|-----------|

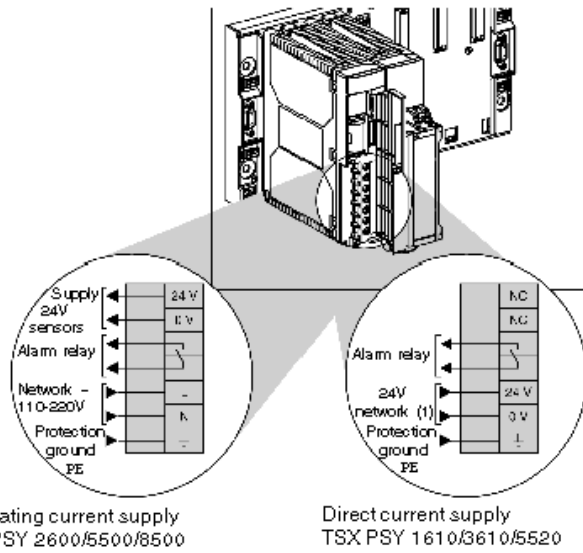
Standard and Extendable Racks for Modules Mounting

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



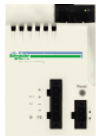
(1) 24...48Vdc for the TSXPSY5520 supply module.

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

Recommended replacement(s)

TSXPSY5520M is replaced by:

1x



power supply module X80 - 24..48 V DC - 31.2 W
BMXCPS3020