

TM5SPS3 Manual

Brand	-
Product Series	Sheet1
Product Type	Power distribution module

Description

TM5SPS3 power distribution module - for
CANopen interface module and I/O
module - 24 V D

Main

Range of product Modicon TM5

Product or component type Power distribution module

Product specific application Supply 24 V DC I/O modules and bus CANopen

Supply 24 V DC I/O modules and bus Sercos III

Complementary

Range compatibility Modicon LMC078

Modicon LMC058

Modicon M258

Product compatibility Logic controller

Motion controller

[Us] rated supply voltage 24 V

Network type DC

current supplied 750 mA for TM5 power bus -10...55 °C

500 mA for TM5 power bus 55...60 °C

10 A for I/O power segment

Maximum power dissipation in W 1.91 W

Colour Grey

Short-circuit protection 10 A external fuse

Current consumption ≤ 25 mA 24 V DC

Marking CE

Environment

Standards CSA C22.2 No 213

CSA C22.2 No 142

IEC 61131-2

UL 508

Product certifications GOST-R

C-Tick

CSA

cULus

Ambient air temperature for
operation

-10...55 °C without derating (horizontal installation)

55...60 °C with derating factor (horizontal installation)

-10...50 °C (vertical installation)

Ambient air temperature for
storage

-40...70 °C

Relative humidity 5...95 % without condensation

Operating altitude 0...2000 m

Storage altitude 0...3000 m

Vibration resistance 1 gn at 8.4...150 Hz on DIN rail

3.5 mm at 5...8.4 Hz on DIN rail

Shock resistance 15 gn for 11 ms

Resistance to electrostatic
discharge

4 kV on contact conforming to EN/IEC 61000-4-2

8 kV in air conforming to EN/IEC 61000-4-2

Resistance to electromagnetic
fields

1 V/m 2...2.7 GHz conforming to EN/IEC 61000-4-3

10 V/m 80...2000 MHz conforming to EN/IEC 61000-4-3

Resistance to fast transients 1 kV (I/O) conforming to EN/IEC 61000-4-4

1 kV (shielded cable) conforming to EN/IEC 61000-4-4

2 kV (power lines) conforming to EN/IEC 61000-4-4

Surge withstand 0.5 kV differential mode conforming to EN/IEC 61000-4-5

1 kV common mode conforming to EN/IEC 61000-4-5

Electromagnetic compatibility EN/IEC 61000-4-6

Disturbance radiated/conducted CISPR 11

Packing Units

Unit Type of Package 1 PCE

Number of Units in Package 1 1

Package 1 Height 2.000 cm

Package 1 Width 6.000 cm

Package 1 Length 10.500 cm

Package 1 Weight 51.000 g