

Schneider Service Manual

TM5SPS3

1. Description

TM5SPS3 power distribution module - for

3. Product Information

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