

Schneider Service Manual

TM5NS31

1. Description

Schneider Electric TM5NS31

3. Product Information

Schneider Electric TM5NS31

SERCOS III field bus interface module

Main

Range of product Modicon TM5

Product or component type Sercos III communication module

Physical interface RJ45

Complementary

Range compatibility Modicon LMC078

Product compatibility Motion controller

Integrated connection type Ethernet/IP, 2 RJ45 connectors Sercos (RJ45), 100 Mbit/s

Current consumption 5 V DC base

Device composition Interface module

Bus base (ordered separately)

Power supply (ordered separately)

Terminal block (ordered separately)

Power dissipation in W 1.75 W

Colour White

Local signalling 1 LED green/red for STAT

1 LED green/red for Sercos III

1 LED green for Sercos III port 1

1 LED green for Sercos III port 2

Product weight 0.03 kg

Environment

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 MHz...2 GHz 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

Offer Sustainability

Sustainable offer status Green Premium product