## Product information

**SPIDER III - Standard Line (SL) and Premium Line (PL) - SPIDER-PL-20-05T1999999TY9HHHH**

### Industrial Ethernet/Unmanaged Industrial Ethernet Switches/SPIDER III-Switches:SPIDER III - Standard Line (SL) and Premium Line (PL)


### Name

**SPIDER III - Standard Line (SL) and Premium Line (PL)**

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### Delivery informations

**Availability**

Available

### Product description

**Description**

Unmanaged, Industrial ETHERNET Rail Switch, fanless design, store and forward switching mode, 10/100 Mbit/s Ethernet

**Port type and quantity**

5 x 10/100BASE-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity

**Type**

SPIDER-PL-20-05T1999999TY9HHHH

**Order No.**

942 141-016

### More interfaces

**Power supply/signaling contact**

1 x plug-in terminal block, 6-pin

**USB interface**

1 x USB for configuration

### Network size - length of cable

**Twisted pair (TP)**

0 m ... 100 m

### Network size - cascadibility

**Line - / star topology**

Any

### Power requirements

**Operating voltage**

12/24 V DC (9.6 - 32 V DC), redundant

**Current consumption at 24 V DC**

Max. 93 mA

**Power consumption**

Max. 2.4 W, 8.0 Btu (IT) h

### Ambient conditions

**Operating temperature**

-40 ºC ... 70 ºC

**Storage/transport temperature**

-40 ºC ... 85 ºC

**Relative humidity (non-condensing)**

0 % ... 95 %

**MTBF (Telcordia)**

1.363.990 hours; Telcordia SR-332; Gb 25°C

### Mechanical construction

**Dimensions (W x H x D)**

39 x 135 x 117 mm (w/o terminal block)

**Mounting**

DIN Rail

**Weight**

430 g

**Protection class**

IP40 (metal housing)

**Mechanical stability**

IEC 60068-2-27 shock

15 g, 11 ms duration, 18 shocks

IEC 60068-2-6 vibration

3.5 mm, 5–8.4 Hz, 10 cycles, 1 octave/min; 1 g, 8.4–150 Hz, 10 cycles, 1 octave/min

### Configurable parameters

**Configurable parameters**

Global settings: power supply unit alarm, aging time, GoS 802.1p mapping, GoS DSCP mapping; Port settings: flow control, port admin state, broadcast storm protection/threshold, multicast storm protection/threshold, GoS Trust Mode, port based priority, link alarm; TX port settings: auto-negotiation, speed, duplex mode, auto-crossing, MDI state, energy efficient ethernet; FX port settings: duplex mode

**EMC interference immunity**

EN 61000-4-2 electrostatic discharge (ESD)

4 kV contact discharge, 8 kV air discharge

EN 61000-4-3 electromagnetic field

10 V/m (80–1000 MHz)

EN 61000-4-4 fast transients (burst)

2 kV power line, 4 kV data line

EN 61000-4-5 surge voltage

power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line

EN 61000-4-6 conducted immunity

10 V (150 kHz-80 MHz)

**EMC emitted immunity**

FCC CFR47 Part 15

FCC 47 CFR Part 15 Class A

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## Industrial Ethernet: Unmanaged Industrial Ethernet Switches

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### EN 50022
- EN 50022 Class A

### Service
- Diagnostics: LEDs (power, link status, data, data rate)

### Approvals
- Safety of industrial control equipment: cUL61010

### Scope of delivery and accessories
- Scope of delivery: Device, terminal block, safety instruction
- Accessories: Rail Power Supply RPS 30/80 EEC/120 EEC (CC), Wall mounting plate for DIN rail mounting 40mm - order nr. 942 177-001, wall mounting plate for DIN rail mounting 70mm - order nr. 942 177-002

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