



## Product information SPIDER III - SPIDER-PL-20-08T1M29999TX9HHHH

Industrial Ethernet:Unmanaged Industrial Ethernet Switches:SPIDER III-Switches:SPIDER III  
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Name SPIDER III



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

### 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 8x 10/100BASE-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity, 1 x 100BASE-FX, MM cable, SC sockets

Type SPIDER-PL-20-08T1M29999TX9HHHH

Order No. 942141128

### 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

Multimode fiber (MM) 50/125 µm 0 - 5000 m (Link Budget at 1310 nm = 0 - 8 dB; A=1 dB/km; BLP = 800 MHz\*km)

Multimode fiber (MM) 62.5/125 µm 0 - 4000 m (Link Budget at 1300 nm = 0 - 11 dB; A = 1 dB/km; BLP = 500 MHz\*km)

### Network size - cascadiability

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. 200 mA

Power consumption Max. 5.0 W, 16.9 Btu (IT) h

### Ambient conditions

Operating temperature -40 °C ... 70 °C

Storage/transport temperature -40 °C ... 85 °C

Relative humidity (non-condensing) 0 % ... 95 %

MTBF (Telcordia) 954.743 hours; Telcordia SR-332; Gb 25°C

### Mechanical construction

Dimensions (W x H x D) 56 x 135 x 117 mm (w/o terminal block)

Mounting DIN Rail

Weight 510 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, QoS 802.1p mapping, QoS DSCP mapping; Port settings: flow control, port admin state, broadcast storm protection/threshold, multicast storm protection/threshold, QoS 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)



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### EMC emitted immunity

**FCC CFR47 Part 15** FCC 47 CFR Part 15 Class A

**EN 55022** EN 55022 Class A

### Service

**Diagnostics** LEDs (power, link status, data, data rate)

### Approvals

**Safety of industrial control equipment** UL61010-1/-2-201

**Hazardous locations** ISA-12.12.-01 Class 1 Div. 2 Group

### 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 (width 40/70 mm)

For more information please contact:

**Hirschmann Automation and Control GmbH**

Stuttgarter Strasse 45-51

72654 Neckartenzlingen

Germany

Phone: +49 7127/14-1809

E-Mail: [inet-sales@belden.com](mailto:inet-sales@belden.com)

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