



## Data sheet SPIDER II 8TX EEC

Industrial Ethernet:Entry Level Hubs And Switches:Unmanaged Standard Rail Switches:SPIDER II 8TX EEC

Name SPIDER II 8TX EEC



Entry Level Industrial ETHERNET Rail-Switch, store and forward switching mode, Ethernet (10 Mbit/s) and Fast-Ethernet (100 Mbit/s)

**Delivery informations**

Document created at 14-01-2011

Availability available

**Product description**

Description Entry Level Industrial ETHERNET Rail-Switch, store and forward switching mode, Ethernet (10 Mbit/s) and Fast-Ethernet (100 Mbit/s)

Port type and quantity 8 x 10/100BASE-TX, TP-cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity

Type SPIDER II 8TX EEC

Order No. 943 958-001

**More Interfaces**

Power supply/signaling contact 1 plug-in terminal block, 3-pin, no signaling contact

**Network size - length of cable**

Twisted pair (TP) 0 - 100 m

Multimode fiber (MM) 50/125 µm n/a

Multimode fiber (MM) 62.5/125 µm n/a

Single mode fiber (SM) 9/125 µm n.v.

Single mode fiber (LH) 9/125 µm (long haul transceiver) n.v.

**Network size - cascading**

Line - / star topology Any

**Power requirements**

Operating voltage DC 9.6 V - 32 V

Current consumption at 24 V DC max. 235 mA

Power consumption max. 5.8 W; 19.8 Btu(IT)/h

**Service**

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

**Redundancy**

Redundancy functions n/a

**Ambient conditions**

Operating temperature -40 °C to +70 °C

Storage/transport temperature -40 °C to +85 °C

Relative humidity (non-condensing) 10% to 95%

MTBF 62.0 years MIL-HDBK 217F: Gb 25°C

**Mechanical construction**

Dimensions (W x H x D) 35 mm x 138mm x 121 mm

Mounting DIN Rail 35 mm

Weight 246 g

Protection class IP 30

**Mechanical stability**

IEC 60068-2-27 shock 15 g, 11 ms duration, 18 shocks

IEC 60068-2-6 vibration 3,5 mm, 3 Hz - 9 Hz, 10 cycles, 1 octave/min.;  
1g, 9 Hz - 150 Hz, 10 cycles, 1 octave/min.

**EMC interference immunity**

EN 61000-4-2 electrostatic discharge (ESD) 6 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



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EN 61000-4-5 surge voltage	power line: 2 kV (linie/earth), 1 kV (linie/line), 1 kV data line
EN 61000-4-6 conducted immunity	10 V (150 kHz - 80 kHz)
<b>EMC emitted immunity</b>	
FCC CFR47 Part 15	FCC CFR47 Part 15 Class A
EN 55022	EN 55022 Class A
<b>Approvals</b>	
Safety of industrial control equipment	cUL 508 (E175531) pending
EMV regulations for assembly in vehicles	n/a
Hazardous locations	n.v.
Employment in vehicles	n.v.
Safety of information technology equipment	n.v.
Germanischer Lloyd	n/a
<b>Scope of delivery and accessories</b>	
Scope of delivery	Device, terminal block, operating manual
Accessories to order separately	Rail power supply RPS 30, RPS 80 EEC or RPS 120 EEC, 19" installation frame