



Data sheet SPIDER 4TX/1FX-SM EEC

Industrial Ethernet:Entry Level Hubs And Switches:Unmanaged Standard Rail Switches:SPIDER 4TX/1FX-SM EEC

Name SPIDER 4TX/1FX-SM EEC



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

Port type and quantity 4 x 10/100BASE-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity
1 x 100BASE-FX, SM cable, SC sockets

Type SPIDER 4TX/1FX-SM EEC

Order No. 943 880-001

More Interfaces

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

Network size - length of cable

Twisted pair (TP) 0 - 100 m

Single mode fiber (SM) 9/125 µm 0 - 32,5 km,
16 dB Link Budget at 1300 nm,
A = 0,4 dB/km, 3 dB Reserve, D = 3,5 ps/(nm x km)

Network size - cascading

Line - / star topology Any

Power requirements

Operating voltage 9,6 V DC - 32 V DC

Current consumption at 24 V DC Max. 150 mA

Power consumption Max. 3,9 W 13,3 Btu (IT)/h at 24 V DC

Service

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

Ambient conditions

Operating temperature -40 °C to +70 °C

Storage/transport temperature -40 °C to +70 °C

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

MTBF 93,9 years; MIL-HDBK 217F: Gb 25 °C

Mechanical construction

Dimensions (W x H x D) 25 mm x 114 mm x 79 mm

Mounting DIN Rail 35 mm

Weight 120 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

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 kHz)

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EMC emitted immunity	
FCC CFR47 Part 15	FCC CFR47 Part 15 Class A
EN 55022	EN 55022 Class A
Approvals	
Safety of industrial control equipment	cUL 508 (E175531)
Scope of delivery and accessories	
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