



Product: [SPIDER 4TX/1FX EEC](#) 

Unmanaged 5-port Switch

Product Description

Unmanaged Industrial Ethernet DIN Rail Mount Switch with extended temperature range, store and forward switching mode, 4 x 10/100 Mbit/s RJ45, 1 x 100 Mbit/s MM SC

Technical Specifications

Product description

| | |
|-------------------------|--|
| Description: | Entry Level Industrial ETHERNET Rail Switch, store and forward switching mode, Ethernet and Fast-Ethernet (10/100 Mbit/s) |
| Part Number: | 943221101 |
| Port type and quantity: | 4 x 10/100BASE-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity 1 x 100BASE-FX, MM cable, SC sockets |

More Interfaces

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| Power supply/signaling contact: | 1 x plug-in terminal block, 3-pin, no signaling contact |
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Network size - length of cable

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| Twisted pair (TP): | 0-100 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 1310 nm = 0 - 11 dB; A = 1 dB/km; BLP = 500 MHz*km) |

Network size - cascading

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| Line - / star topology: | any |
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Power requirements

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| Current consumption at 24 V DC: | Max. 150 mA |
| Operating Voltage: | 9,6 V DC - 32 V DC |
| Power consumption: | Max. 3,9 W 13,3 Btu (IT)/h at 24 V DC |

Diagnostics features

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| Diagnostic functions: | LEDs (power, link status, data, data rate) |
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Ambient conditions

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| MTBF (MIL-HDBK 217F: Gb 25 °C): | 112.0 Years |
| Operating temperature: | -40-+70 °C |
| Storage/transport temperature: | -40-+70 °C |
| Relative humidity (non-condensing): | 10-95 % |

Mechanical construction

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|---------------------|------------------------|
| Dimensions (WxHxD): | 25 mm x 114 mm x 79 mm |
| Weight: | 120 g |
| Mounting: | DIN Rail |
| Protection class: | IP30 |

Mechanical stability

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| 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 |
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| IEC 60068-2-27 shock: | 15 g, 11 ms duration, 18 shocks |
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EMC interference immunity

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|---|---|
| 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 MHz) |

EMC emitted immunity

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| EN 55022: | EN 55022 Class A |
| FCC CFR47 Part 15: | FCC 47CFR Part 15, Class A |

Approvals

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| Safety of industrial control equipment: | cUL 508 |
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Further Instructions

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|------------------------|---|
| Product Documentation: | https://www.doc.hirschmann.com |
| Certificates: | https://www.doc.hirschmann.com/certificates.html |

Variants

| Item # | Type |
|-----------|--------------------|
| 943221101 | SPIDER 4TX/1FX EEC |

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| Update and Revision: | Revision Number: 0.125 Revision Date: 11-09-2022 |
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