



Product: [SPIDER II 8TX](#) 

Unmanaged 8-port Switch

Product Description

Unmanaged Industrial Ethernet DIN Rail Mount Switch, store and forward switching mode, 8 x 10/100 Mbit/s RJ45

Technical Specifications

Product description

| | |
|-------------------------|--|
| Description: | Entry Level Industrial ETHERNET Rail-Switch, store and forward switching mode, Ethernet (10 Mbit/s) and Fast-Ethernet (100 Mbit/s) |
| Part Number: | 943957001 |
| Port type and quantity: | 8 x 10/100BASE-TX, TP-cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity |

More Interfaces

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

Network size - length of cable

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|-----------------------------------|---------|
| Twisted pair (TP): | 0-100 m |
| Single mode fiber (SM) 9/125 µm: | n/a |
| Multimode fiber (MM) 50/125 µm: | n/a |
| Multimode fiber (MM) 62.5/125 µm: | n/a |

Network size - cascability

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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: | DC 9.6 V - 32 V |
| Power consumption: | max. 4.1 W; 14.0 Btu(IT)/h |

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): | 98.8 Years |
| Operating temperature: | 0-+60 °C |
| Storage/transport temperature: | -40-+70 °C |
| Relative humidity (non-condensing): | 10-95 % |

Mechanical construction

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|---------------------|-------------------------|
| Dimensions (WxHxD): | 35 mm x 138 mm x 121 mm |
| Weight: | 246 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 |
| IEC 60068-2-27 shock: | 15 g, 11 ms duration, 18 shocks |

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 MHz) |

EMC emitted immunity

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

Approvals

| | |
|---|---------|
| Safety of industrial control equipment: | cUL 508 |
|---|---------|

Further Instructions

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

History

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|----------------------|--|
| Update and Revision: | Revision Number: 0.124 Revision Date: 03-10-2023 |
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Variants

| Item # | Type |
|-----------|---------------|
| 943957001 | SPIDER II 8TX |

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