



## Product information SPIDER 4TX/1FX EEC

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

<http://e-catalog.hirschmann.com/link/57078-24455-49855-50103-40110/en/conf/uisstate>

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|---|---|
| <b>Name</b>                                       | SPIDER 4TX/1FX EEC  |
|   |    |
|   | Entry Level Industrial ETHERNET Rail Switch, store and forward switching mode, Ethernet and Fast-Ethernet (10/100 Mbit/s)         |
| <b>Delivery informations</b>                      |   |
| <b>Availability</b>                               | available   |
| <b>Product description</b>                        |   |
| <b>Description</b>                                | Entry Level Industrial ETHERNET Rail Switch, store and forward switching mode, Ethernet and Fast-Ethernet (10/100 Mbit/s)         |
| <b>Port type and quantity</b>                     | 4 x 10/100BASE-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity<br>1 x 100BASE-FX, MM cable, SC sockets |
| <b>Type</b>                                       | SPIDER 4TX/1FX EEC  |
| <b>Order No.</b>                                  | 943 221-101   |
| <b>More Interfaces</b>                            |   |
| <b>Power supply/signaling contact</b>             | 1 plug-in terminal block, 3-pin, no signal contact  |
| <b>Network size - length of cable</b>             |   |
| <b>Twisted pair (TP)</b>                          | 0 - 100 m   |
| <b>Multimode fiber (MM) 50/125 µm</b>             | 0 - 5000 m,<br>8 dB link budget at 1300 nm,<br>A = 1 dB/km, 3 dB reserve, B = 800 MHz x km  |
| <b>Multimode fiber (MM) 62.5/125 µm</b>           | 0 - 4000 m,<br>11 dB link budget at 1300 nm,<br>A = 1 dB/km, 3 dB reserve, B = 500 MHz x km                                       |
| <b>Network size - cascadiability</b>              |   |
| <b>Line - / star topology</b>                     | Any   |
| <b>Power requirements</b>                         |   |
| <b>Operating voltage</b>                          | 9,6 V DC - 32 V DC  |
| <b>Current consumption at 24 V DC</b>             | Max. 150 mA   |
| <b>Power consumption</b>                          | Max. 3,9 W 13,3 Btu (IT)/h at 24 V DC   |
| <b>Service</b>                                    |   |
| <b>Diagnostics</b>                                | LEDs (power, link status, data, data rate)  |
| <b>Ambient conditions</b>                         |   |
| <b>Operating temperature</b>                      | -40 °C to +70 °C  |
| <b>Storage/transport temperature</b>              | -40 °C to +70 °C  |
| <b>Relative humidity (non-condensing)</b>         | 10% to 95%  |
| <b>MTBF</b>                                       | 112.0 years; MIL-HDBK 217F: Gb 25 °C  |
| <b>Mechanical construction</b>                    |   |
| <b>Dimensions (W x H x D)</b>                     | 25 mm x 114 mm x 79 mm  |
| <b>Mounting</b>                                   | DIN Rail 35 mm  |
| <b>Weight</b>                                     | 120 g   |
| <b>Protection class</b>                           | IP 30   |
| <b>Mechanical stability</b>                       |   |
| <b>IEC 60068-2-27 shock</b>                       | 15 g, 11 ms duration, 18 shocks   |
| <b>IEC 60068-2-6 vibration</b>                    | 3.5 mm, 3 Hz - 9 Hz, 10 cycles, 1 octave/min.;<br>1g, 9 Hz - 150 Hz, 10 cycles, 1 octave/min.                                     |
| <b>EMC interference immunity</b>                  |   |
| <b>EN 61000-4-2 electrostatic discharge (ESD)</b> | 6 kV contact discharge, 8 kV air discharge  |
| <b>EN 61000-4-3 electromagnetic field</b>         | 10 V/m (80 - 1000 MHz)  |
| <b>EN 61000-4-4 fast transients (burst)</b>       | 2 kV power line, 4 kV data line   |



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| <b>EN 61000-4-5 surge voltage</b>        | Power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line             |
| <b>EN 61000-4-6 conducted immunity</b>   | 10 V (150 kHz - 80 kHz)   |
| <b>EMC emitted immunity</b>              |   |
| <b>FCC CFR47 Part 15</b>                 | FCC CFR47 Part 15 Class A   |
| <b>EN 55022</b>                          | EN 55022 Class A  |
| <b>Scope of delivery and accessories</b> |   |
| <b>Scope of delivery</b>                 | Device, terminal block, operating manual                                    |
| <b>Accessories to order separately</b>   | Rail power supply RPS 30, RPS 80 EEC or RPS 120 EEC, 19" installation frame |

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