




## Product information SPIDER II 8TX/2FX-SM EEC

Industrial Ethernet:Unmanaged Industrial Ethernet Switches:SPIDER-Switches:SPIDER II 8TX/2FX-SM EEC

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|   |  |
|---|--|
| Name  | SPIDER II 8TX/2FX-SM EEC   |
|   |   |
|   | Entry Level Industrial ETHERNET Rail-Switch, store and forward switching mode, Ethernet (10 Mbit/s) and Fast-Ethernet (100 Mbit/s) |
| <b>Delivery informations</b>                            |  |
| Availability  | available  |
| <b>Product description</b>                              |  |
| 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, 2 x 100BASE-FX, SM-cable, SC sockets    |
| Type  | SPIDER II 8TX/2FX-SM EEC   |
| Order No.   | 943 958-231  |
| <b>More interfaces</b>                                  |  |
| Power supply/signaling contact                          | 1 plug-in terminal block, 3-pin, no signaling contact  |
| <b>Network size - length of cable</b>                   |  |
| 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                         | 0 - 32,5 km,<br>16 dB link budget at 1300 nm,<br>A = 0,4 dB/km, 3 dB reserve, D = 3,5 ps/(nm x km)                                 |
| Single mode fiber (LH) 9/125 µm (long haul transceiver) | n/a  |
| <b>Network size - cascading</b>                         |  |
| Line - / star topology                                  | Any  |
| <b>Power requirements</b>                               |  |
| Operating voltage                                       | DC 9.6 V - 32 V  |
| Current consumption at 24 V DC                          | max. 330 mA  |
| Power consumption                                       | max. 8.4 W 28.7 Btu(IT)/h  |
| <b>Service</b>  |  |
| Diagnostics   | LEDs (power, link status, data, data rate)   |
| <b>Redundancy</b>                                       |  |
| Redundancy functions                                    | n/a  |
| <b>Ambient conditions</b>                               |  |
| Operating temperature                                   | -40 °C to +70 °C   |
| Storage/transport temperature                           | -40 °C to +85 °C   |
| Relative humidity (non-condensing)                      | 10% to 95%   |
| MTBF  | 55.7 years MIL-HDBK 217F: Gb 25°C  |
| <b>Mechanical construction</b>                          |  |
| Dimensions (W x H x D)                                  | 35 mm x 138mm x 121 mm   |
| Mounting  | DIN Rail 35 mm   |
| Weight  | 260 g  |
| Protection class  | IP 30  |
| <b>Mechanical stability</b>                             |  |
| 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.;<br>1g, 9 Hz - 150 Hz, 10 cycles, 1 octave/min.                                      |
| <b>EMC interference immunity</b>                        |  |
| EN 61000-4-2 electrostatic discharge (ESD)              | 6 kV contact discharge, 8 kV air discharge   |



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|---|---|
| <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   |
| <b>EN 61000-4-5 surge voltage</b>               | power line: 2 kV (linie/earth), 1 kV (linie/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>Approvals</b>                                |   |
| <b>Safety of industrial control equipment</b>   | cUL 508   |
| <b>EMV regulations for assembly in vehicles</b> | n/a   |
| <b>Employment in vehicles</b>                   | E1  |
| <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 |

For more information please contact:

**Hirschmann Automation and Control GmbH**

Stuttgarter Strasse 45-51

72654 Neckartenzlingen

Germany

Phone: +49 7127/14-1809

E-Mail: [inet-sales@belden.com](mailto:inet-sales@belden.com)

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