


## 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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| <b>Name</b>  |  | 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>                                   |  |  |
| <b>Availability</b>  | available  |  |
| <b>Product description</b>                                     |  |  |
| <b>Description</b>   | Entry Level Industrial ETHERNET Rail-Switch, store and forward switching mode, Ethernet (10 Mbit/s) and Fast-Ethernet (100 Mbit/s) |  |
| <b>Port type and quantity</b>                                  | 8 x 10/100BASE-TX, TP-cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity, 2 x 100BASE-FX, SM-cable, SC sockets    |  |
| <b>Type</b>  | SPIDER II 8TX/2FX-SM EEC   |  |
| <b>Order No.</b>   | 943 958-231  |  |
| <b>More Interfaces</b>   |  |  |
| <b>Power supply/signaling contact</b>                          | 1 plug-in terminal block, 3-pin, no signaling contact  |  |
| <b>Network size - length of cable</b>                          |  |  |
| <b>Twisted pair (TP)</b>                                       | 0 - 100 m  |  |
| <b>Multimode fiber (MM) 50/125 µm</b>                          | n/a  |  |
| <b>Multimode fiber (MM) 62.5/125 µm</b>                        | n/a  |  |
| <b>Single mode fiber (SM) 9/125 µm</b>                         | 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)                                 |  |
| <b>Single mode fiber (LH) 9/125 µm (long haul transceiver)</b> | n/a  |  |
| <b>Network size - cascading</b>                                |  |  |
| <b>Line - / star topology</b>                                  | Any  |  |
| <b>Power requirements</b>                                      |  |  |
| <b>Operating voltage</b>                                       | DC 9.6 V - 32 V  |  |
| <b>Current consumption at 24 V DC</b>                          | max. 330 mA  |  |
| <b>Power consumption</b>                                       | max. 8.4 W 28.7 Btu(IT)/h  |  |
| <b>Service</b>   |  |  |
| <b>Diagnostics</b>   | LEDs (power, link status, data, data rate)   |  |
| <b>Redundancy</b>  |  |  |
| <b>Redundancy functions</b>                                    | n/a  |  |
| <b>Ambient conditions</b>                                      |  |  |
| <b>Operating temperature</b>                                   | -40 °C to +70 °C   |  |
| <b>Storage/transport temperature</b>                           | -40 °C to +85 °C   |  |
| <b>Relative humidity (non-condensing)</b>                      | 10% to 95%   |  |
| <b>MTBF</b>  | 55.7 years MIL-HDBK 217F: Gb 25°C  |  |
| <b>Mechanical construction</b>                                 |  |  |
| <b>Dimensions (W x H x D)</b>                                  | 35 mm x 138mm x 121 mm   |  |
| <b>Mounting</b>  | DIN Rail 35 mm   |  |
| <b>Weight</b>  | 260 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   |  |



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|--|---|
| 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 (linie/earth), 1 kV (linie/line), 1 kV data line           |
| EN 61000-4-6 conducted immunity          | 10 V (150 kHz - 80 kHz)   |
| <b>EMC emitted immunity</b>              |   |
| FCC CFR47 Part 15                        | FCC CFR47 Part 15 Class A   |
| EN 55022                                 | EN 55022 Class A  |
| <b>Approvals</b>                         |   |
| Safety of industrial control equipment   | cUL 508   |
| EMV regulations for assembly in vehicles | n/a   |
| Employment in vehicles                   | E1  |
| <b>Scope of delivery and accessories</b> |   |
| 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 |

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