




Product information SPIDER II 8TX/1FX-ST EEC

Industrial Ethernet:Unmanaged Industrial Ethernet Switches:SPIDER-Switches:SPIDER II 8TX/1FX-ST EEC

<https://e-catalog.beldensolutions.com:443/link/57078-24455-49855-50103-40583/en/conf/ui/istate>

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| Name | SPIDER II 8TX/1FX-ST EEC |
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| | Entry Level Industrial ETHERNET Rail-Switch, store and forward switching mode, Ethernet (10 Mbit/s) and Fast-Ethernet (100 Mbit/s) |
| Delivery informations | |
| Availability | available |
| Product description | |
| 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, 1 x 100BASE-FX, MM-cable, ST sockets |
| Type | SPIDER II 8TX/1FX-ST EEC |
| Order No. | 943 958-121 |
| More interfaces | |
| Power supply/signaling contact | 1 plug-in terminal block, 3-pin, no signaling contact |
| Network size - length of cable | |
| Twisted pair (TP) | 0 - 100 m |
| Multimode fiber (MM) 50/125 µm | 0 - 5000 m, 8 dB link budget at 1300 nm, A = 1 dB/km, 3 dB reserve, B = 800 MHz x km |
| Multimode fiber (MM) 62.5/125 µm | 0 - 4000 m, 11 dB link budget bei 1300 nm, A = 1 dB/km, 3 dB reserve, B = 500 MHz x km |
| Single mode fiber (SM) 9/125 µm | n/a |
| Single mode fiber (LH) 9/125 µm (long haul transceiver) | n/a |
| Network size - cascability | |
| Line - / star topology | Any |
| Power requirements | |
| Operating voltage | DC 9.6 V - 32 V |
| Current consumption at 24 V DC | max. 275 mA |
| Power consumption | max. 7 W 23.9 Btu(IT)/h |
| Service | |
| Diagnostics | LEDs (power, link status, data, data rate) |
| Redundancy | |
| Redundancy functions | n.v. |
| Ambient conditions | |
| Operating temperature | -40 °C to +70 °C |
| Storage/transport temperature | -40 °C to +85 °C |
| Relative humidity (non-condensing) | 10% to 95% |
| MTBF | 950,841 hours; Telcordia SR-332; Gb 25°C |
| Mechanical construction | |
| Dimensions (W x H x D) | 35 mm x 138mm x 121 mm |
| Mounting | DIN Rail 35 mm |
| Weight | 253 g |
| Protection class | IP 30 |
| Mechanical stability | |
| 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.; 1g, 9 Hz - 150 Hz, 10 cycles, 1 octave/min. |



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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 (linie/earth), 1 kV (linie/line), 1 kV data line |
| EN 61000-4-6 conducted immunity | 10 V (150 kHz - 80 kHz) |

EMC emitted immunity

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|-------------------|---------------------------|
| FCC CFR47 Part 15 | FCC CFR47 Part 15 Class A |
| EN 55022 | EN 55022 Class A |

Approvals

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| Safety of industrial control equipment | cUL 508 |
| EMV regulations for assembly in vehicles | n/a |
| Employment in vehicles | E1 |

Scope of delivery and accessories

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|---------------------------------|---|
| 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 |

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

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