



## Product information SPIDER II 16TX EEC

Industrial Ethernet:Unmanaged Industrial Ethernet Switches:SPIDER-Switches:SPIDER II 16TX EEC

<https://www.e-catalog.beldensolutions.com:443/link/57078-24455-49855-50103-400961/en/conf/uisstate>

|   |  |
|---|--|
| Name  | SPIDER II 16TX 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                                  | 16 x 10/100BASE-TX, TP-cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity   |
| Type  | SPIDER II 16TX EEC   |
| Order No.   | 942 120 - 001  |
| <b>More interfaces</b>                                  |  |
| Power supply/signaling contact                          | 1 plug-in terminal block, 5-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                         | n/a  |
| 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                                       | 18 - 32 V DC redundant   |
| Current consumption at 24 V DC                          | 0.41 A   |
| Power consumption                                       | 9.8 W  |
| <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                           | -45°C to +85°C   |
| Relative humidity (non-condensing)                      | 5% to 95%  |
| MTBF  | 326,298 h (Telcordia)  |
| <b>Mechanical construction</b>                          |  |
| Dimensions (W x H x D)                                  | 66 mm x 138 mm x 111 mm  |
| Mounting  | DIN Rail 138 mm  |
| Weight  | 730 g  |
| Protection class  | IP30   |
| <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.; 1g, 9 Hz - 150 Hz, 10 cycles, 1 octave/min.   |
| <b>EMC interference immunity</b>                        |  |
| EN 61000-4-2 electrostatic discharge (ESD)              | 4 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), 2 kV data line  |



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|---|---|
| <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 60950-1, cUL 508                                |
| <b>Hazardous locations</b>                    | ISA 12.12.01 Class 1 Div. 2; ATEX Zone 2            |
| <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 |

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