



SPIDER II 8TX PoE

Industrial Networking:Industrial Ethernet:Rail Family:Unmanaged Rail-Switches

| Delivery informations | |
|--|--|
| Availability | available |
| Document created at | 29.05.2009 |
| 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, 4 x PoE according to IEEE802.3af, TP-cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity |
| Type | SPIDER II 8TX PoE |
| Order No. | 942 008-001 |
| 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 | 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 |
| Network size - cascability | |
| Line - / star topology | Any |
| Power requirements | |
| Operating voltage | 18 V DC - 32 V DC |
| Current consumption at 24 V DC | 0,189 A (without PpE) /3,12 A (with PoE) |
| Power consumption | max. 75 Watt |
| Service | |
| Diagnostics | LEDs (power, link status, data, data rate) |
| Redundancy | |
| Redundancy functions | n/a |
| Ambient conditions | |
| Operating temperature | -10 °C to +60 °C |
| Storage/transport temperature | -20 °C to +70 °C |
| Relative humidity (non-condensing) | 10% to 95% |
| MTBF | 19,91 years; MIL-HDBK 217F: Gb 25 °C |
| Mechanical construction | |
| Dimensions (W x H x D) | 35 mm x 138mm x 110 mm |
| Mounting | DIN Rail 35 mm |
| Weight | 560g |
| 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. |
| EMC interference immunity | |
| 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 | |
| FCC CFR47 Part 15 | FCC CFR47 Part 15 Class A |
| EN 55022 | EN 55022 Class A |
| Approvals | |
| Safety of industrial control equipment | cUL 508 (in preparation) |
| EMV regulations for assembly in vehicles | n/a |
| Hazardous locations | UL1604 Class 1 Div 2 (in preparation) |
| Employment in vehicles | n/a |
| Safety of information technology equipment | n/a |
| Germanischer Lloyd | n/a |
| Scope of delivery and accessories | |
| 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 |