



## SPIDER 8TX

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

### Product description

|                        |   |
|------------------------|---|
| Description            | Entry Level Industrial ETHERNET Rail Switch, store and forward switching mode, Ethernet and Fast-Ethernet (10/100 Mbit/s) |
| Port type and quantity | 8 x 10/100BASE-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity                                 |
| Type                   | SPIDER 8TX  |
| Order No.              | 943 376-001   |

### More Interfaces

|                                |  |
|--------------------------------|--|
| Power supply/signaling contact | 1 plug-in terminal block, 3-pin, no signal contact |
|--------------------------------|--|

### Network size - length of cable

|                   |           |
|-------------------|-----------|
| Twisted pair (TP) | 0 - 100 m |
|-------------------|-----------|

### Network size - cascading

|                        |     |
|------------------------|-----|
| Line - / star topology | Any |
|------------------------|-----|

### Power requirements

|                                |                                       |
|--------------------------------|---------------------------------------|
| Operating voltage              | 9,6 V DC - 32 V DC                    |
| Current consumption at 24 V DC | Max. 160 mA                           |
| Power consumption              | Max. 3,9 W 13,3 Btu (IT)/h at 24 V DC |

### Service

|             |  |
|-------------|--|
| Diagnostics | LEDs (power, link status, data, data rate) |
|-------------|--|

### Ambient conditions

|                                    |                                      |
|------------------------------------|--------------------------------------|
| Operating temperature              | 0 °C to +60 °C                       |
| Storage/transport temperature      | -40 °C to +70 °C                     |
| Relative humidity (non-condensing) | 10% to 95%                           |
| MTBF                               | 105.7 years; MIL-HDBK 217F: Gb 25 °C |

### Mechanical construction

|                        |                        |
|------------------------|------------------------|
| Dimensions (W x H x D) | 40 mm x 114 mm x 79 mm |
| Mounting               | DIN Rail 35 mm         |
| Weight                 | 177 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.;<br>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 (line/earth), 1 kV (line/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 (E175531) |
|--|-------------------|

### 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 |