



**Product:** [SPIDER II 8TX](#) 

Unmanaged 8-port Switch

## Product Description

Unmanaged Industrial Ethernet DIN Rail Mount Switch, store and forward switching mode, 8 x 10/100 Mbit/s RJ45

## Technical Specifications

### Product description

|                         |                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Description:            | Entry Level Industrial ETHERNET Rail-Switch, store and forward switching mode, Ethernet (10 Mbit/s) and Fast-Ethernet (100 Mbit/s) |
| Part Number:            | 943957001                                                                                                                          |
| Port type and quantity: | 8 x 10/100BASE-TX, TP-cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity                                          |

### More Interfaces

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

### Network size - length of cable

|                                   |         |
|-----------------------------------|---------|
| Twisted pair (TP):                | 0-100 m |
| Single mode fiber (SM) 9/125 µm:  | n/a     |
| Multimode fiber (MM) 50/125 µm:   | n/a     |
| Multimode fiber (MM) 62.5/125 µm: | n/a     |

### Network size - cascability

|                         |     |
|-------------------------|-----|
| Line - / star topology: | any |
|-------------------------|-----|

### Power requirements

|                                 |                            |
|---------------------------------|----------------------------|
| Current consumption at 24 V DC: | max. 150 mA                |
| Operating Voltage:              | DC 9.6 V - 32 V            |
| Power consumption:              | max. 4.1 W; 14.0 Btu(IT)/h |

### Diagnostics features

|                       |                                            |
|-----------------------|--------------------------------------------|
| Diagnostic functions: | LEDs (power, link status, data, data rate) |
|-----------------------|--------------------------------------------|

### Ambient conditions

|                                     |            |
|-------------------------------------|------------|
| MTBF (MIL-HDBK 217F: Gb 25 °C):     | 98.8 Years |
| Operating temperature:              | 0-+60 °C   |
| Storage/transport temperature:      | -40-+70 °C |
| Relative humidity (non-condensing): | 10-95 %    |

### Mechanical construction

|                     |                         |
|---------------------|-------------------------|
| Dimensions (WxHxD): | 35 mm x 138 mm x 121 mm |
| Weight:             | 246 g                   |
| Mounting:           | DIN Rail                |
| Protection class:   | IP30                    |

### Mechanical stability

|                          |                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------|
| 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 |
| IEC 60068-2-27 shock:    | 15 g, 11 ms duration, 18 shocks                                                       |

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 MHz)                                           |

EMC emitted immunity

|                    |                            |
|--------------------|----------------------------|
| EN 55022:          | EN 55022 Class A           |
| FCC CFR47 Part 15: | FCC 47CFR Part 15, Class A |

Approvals

|                                         |         |
|-----------------------------------------|---------|
| Safety of industrial control equipment: | cUL 508 |
|-----------------------------------------|---------|

Further Instructions

|                        |                                                                                                                 |
|------------------------|-----------------------------------------------------------------------------------------------------------------|
| Product Documentation: | <a href="https://www.doc.hirschmann.com">https://www.doc.hirschmann.com</a>                                     |
| Certificates:          | <a href="https://www.doc.hirschmann.com/certificates.html">https://www.doc.hirschmann.com/certificates.html</a> |

Variants

| Item #    |
|-----------|
| 943957001 |

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.79 Revision Date: 03-11-2021 |
|----------------------|-------------------------------------------------|

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