



**Part Number:** 942 121 - 001  
Unmanaged 18-port Switch

## Product Description

Unmanaged Industrial Ethernet DIN Rail Mount Switch with extended temperature range, 16 x 10/100 Mbit/s RJ 45 2 x 100/1000 Mbit/s SFP socket

## Product Specifications

### Product description

Type:	SPIDER II 16TX/2DS-S EEC
Description:	Entry Level Industrial ETHERNET Rail-Switch, Store and Forward Switching Mode, 10/100/1000 Mbit/s Ethernet
Port type and quantity:	16 x 10/100BASE-TX, 2 x FE/GE-SFP Slots, TP-cable, RJ45-sockets, auto-crossing, auto-negotiation, auto-polarity

### More Interfaces

Power supply/signaling contact:	1 x plug-in terminal block, 5-pin / no signaling contact
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### Radio technology

### Network size - length of cable

Twisted pair (TP):	0-100 m
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### Network size - cascading

Line - / star topology:	any
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### Power requirements

Current consumption at 24 V DC:	450 mA
Operating voltage:	18 - 32 V DC redundant
Power consumption:	10.7 W
Redundancy functions:	n/a

## Configuration features

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## Diagnostics features

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## Security features

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## Service

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## Software

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Diagnostics:	LEDs (power, link status, data, data rate)
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## Ambient conditions

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Operating temperature:	-40-+70 °C
Operating temperature:	-40-+70 °C
Storage/transport temperature:	-45-+85 °C
Relative humidity (non-condensing):	5-95 %

## Mechanical construction

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Weight:	730 g
Mounting:	DIN Rail
Protection class:	IP30

## Mechanical stability

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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

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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), 2 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 CFR47 Part 15 Class A

## Approvals

Safety of industrial control equipment:	cUL 60950-1, cUL 508
Hazardous locations:	ISA 12.12.01 Class 1 Div. 2 (pending) ATEX, Zone 2 (pending)

## Scope of delivery and accessories

Scope of delivery:	Device, terminal block, operating manual
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