



**Product:** [SPIDER II Giga 5T/2S EEC Jumbo](#) 

Unmanaged Full Gigabit Switch, Jumbo Frames

## Product Description

Unmanaged Industrial Ethernet DIN Rail Mount Switch with extended temperature range, 5 x 10/100/1000 Mbit/s RJ 45 2 x 1000 Mbit/s SFP socket, Jumbo Frame support with up to 9014 Byte payload

## Technical Specifications

### Product description

Description:	Entry Level Industrial Ethernet Rail-Switch, 10/100/1000 Mbit/s Ethernet, Jumbo Frame support with up to 9014 Byte user data
Part Number:	943 963-202
Port type and quantity:	5 x 10/100/1000BASE-T, 2 x 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, 3-pin, no signaling contact
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### Network size - length of cable

Twisted pair (TP):	0-100 m
Single mode fiber (SM) 9/125 µm:	0 - 20 km, 0 - 11 dB Link Budget (with M-SFP-LX/LC)
Single mode fiber (LH) 9/125 µm (long haul transceiver):	16 - 80 km, 6 - 22 dB link budget (with M-SFP-LH/LC); 44 - 120 km, 13 - 32 dB link budget (with M-SFP-LH+/LC)
Multimode fiber (MM) 50/125 µm:	0 - 550m, 0 - 7,5 dB link budget (with M-SFP-SX/LC)
Multimode fiber (MM) 62.5/125 µm:	0 - 275 m, 0 - 7,5 dB Link Budget at 850 nm (with M-SFP-SX/LC)

### Network size - cascadiability

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

Current consumption at 24 V DC:	max. 275 mA
Operating Voltage:	DC 9.6 V - 32 V
Power consumption:	max. 6.6 W 21.6 Btu(IT)/h

### Diagnostics features

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

MTBF (Telecordia SR-332 Issue 3) @ 25°C:	1001113 h
Operating temperature:	-40-+70 °C
Storage/transport temperature:	-40-+85 °C
Relative humidity (non-condensing):	10-95 %

### Mechanical construction

Dimensions (W x H x D):	35 mm x 138 mm x 121 mm
Weight:	240 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
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## Scope of delivery and accessories

### Variants

Item #
943963202

Update and Revision:	Revision Number: 0.63 Revision Date: 08-07-2020
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