




**Product information**  
**SPIDER II 8TX/1FX-ST EEC**  
**943 958-121**

Name	
SPIDER II 8TX/1FX-ST EEC	
	
Entry Level Industrial ETHERNET Rail-Switch, store and forward switching mode, Ethernet (10 Mbit/s) and Fast-Ethernet (100 Mbit/s)	
<b>Delivery informations</b>	
Availability	available
<b>Product description</b>	
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, TP-cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity, 1 x 100BASE-FX, MM-cable, ST sockets
Type	SPIDER II 8TX/1FX-ST EEC
Order No.	943 958-121
<b>More interfaces</b>	
Power supply/signaling contact	1 plug-in terminal block, 3-pin, no signaling contact
<b>Network size - length of cable</b>	
Twisted pair (TP)	0 - 100 m
Multimode fiber (MM) 50/125 µm	0 - 5000 m, 8 dB link budget at 1300 nm, A = 1 dB/km, 3 dB reserve, B = 800 MHz x km
Multimode fiber (MM) 62.5/125 µm	0 - 4000 m, 11 dB link budget bei 1300 nm, A = 1 dB/km, 3 dB reserve, B = 500 MHz x km
Single mode fiber (SM) 9/125 µm	n.v.
Single mode fiber (LH) 9/125 µm (long haul transceiver)	n.v.
<b>Network size - cascability</b>	
Line - / star topology	Any
<b>Power requirements</b>	
Operating voltage	DC 9.6 V - 32 V
Current consumption at 24 V DC	max. 275 mA
Power consumption	max. 7 W 23.9 Btu(IT)/h
<b>Service</b>	
Diagnostics	LEDs (power, link status, data, data rate)
<b>Redundancy</b>	
Redundancy functions	n.v.
<b>Ambient conditions</b>	
Operating temperature	-40 °C to +70 °C
Storage/transport temperature	-40 °C to +85 °C
Relative humidity (non-condensing)	10% to 95%
MTBF	58.7 years MIL-HDBK 217F: Gb 25°C
<b>Mechanical construction</b>	
Dimensions (W x H x D)	35 mm x 138mm x 121 mm
Mounting	DIN Rail 35 mm
Weight	253 g
Protection class	IP 30
<b>Mechanical stability</b>	
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.

The information published has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price related/commercial respect.



<b>EMC interference immunity</b>	
<b>EN 61000-4-2 electrostatic discharge (ESD)</b>	6 kV contact discharge, 8 kV air discharge
<b>EN 61000-4-3 electromagnetic field</b>	10 V/m (80 - 1000 MHz)
<b>EN 61000-4-4 fast transients (burst)</b>	2 kV power line, 4 kV data line
<b>EN 61000-4-5 surge voltage</b>	power line: 2 kV (linie/earth), 1 kV (linie/line), 1 kV data line
<b>EN 61000-4-6 conducted immunity</b>	10 V (150 kHz - 80 kHz)
<b>EMC emitted immunity</b>	
<b>FCC CFR47 Part 15</b>	FCC CFR47 Part 15 Class A
<b>EN 55022</b>	EN 55022 Class A
<b>Approvals</b>	
<b>Safety of industrial control equipment</b>	cUL 508
<b>EMV regulations for assembly in vehicles</b>	n.v.
<b>Employment in vehicles</b>	E1
<b>Scope of delivery and accessories</b>	
<b>Scope of delivery</b>	Device, terminal block, operating manual
<b>Accessories to order separately</b>	Rail power puppy RPS 30, RPS 80 EEC or RPS 120 EEC, 19" installation frame

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