



**Product information**  
**SPIDER 4TX/1FX**  
**943 221-001**

Name		SPIDER 4TX/1FX
		
		Entry Level Industrial ETHERNET Rail Switch, store and forward switching mode, Ethernet and Fast-Ethernet (10/100 Mbit/s)
Delivery informations		
Availability	available	
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	4 x 10/100BASE-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity 1 x 100BASE-FX, MM cable, SC sockets	
Type	SPIDER 4TX/1FX	
Order No.	943 221-001	
More Interfaces		
Power supply/signaling contact	1 plug-in terminal block, 3-pin, no signaling contact	
Network size - length of cable		
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 at 1300 nm, A = 1 dB/km, 3 dB reserve, B = 500 MHz x km	
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. 150 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	112.0 years; MIL-HDBK 217F: Gb 25 °C	
Mechanical construction		
Dimensions (W x H x D)	25 mm x 114 mm x 79 mm	
Mounting	DIN Rail 35 mm	
Weight	120 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.; 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	

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>EN 61000-4-5 surge voltage</b>	
	Power line: 2 kV (line/earth), 1 kV (line/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>Scope of delivery and accessories</b>	
<b>Scope of delivery</b>	
	Device, terminal block, operating manual
<b>Accessories to order separately</b>	
	Rail power supply RPS 30, RPS 80 EEC or RPS 120 EEC, 19" installation frame

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