



Product information
SPIDER 1TX/1FX EEC
943 927-001

Name	
SPIDER 1TX/1FX EEC	
	
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	1 x 10/100BASE-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity 1 x 100BASE-FX, MM cable, SC sockets
Type	SPIDER 1TX/1FX EEC
Order No.	943 927-001
More Interfaces	
Power supply/signaling contact	1 plug-in terminal block, 3-pin, no signal 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 - cascadiability	
Line - / star topology	Any
Power requirements	
Operating voltage	9,6 V DC - 32 V DC
Current consumption at 24 V DC	Max. 130 mA
Power consumption	Max. 3,0 W 10,2 Btu (IT)/h at 24 V DC
Service	
Diagnostics	LEDs (power, link status, data, data rate)
Ambient conditions	
Operating temperature	-40 °C to +70 °C
Storage/transport temperature	-40 °C to +70 °C
Relative humidity (non-condensing)	10% to 95%
MTBF	128.1 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	105 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.



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 kHz)
EMC emitted immunity		
FCC CFR47 Part 15		FCC CFR47 Part 15 Class A
EN 55022		EN 55022 Class A
Approvals		
Safety of industrial control equipment		cUL 508 (E175531)
Scope of delivery and accessories		
Scope of delivery		Device, terminal block, operating manual
Accessories to order separately		Rail power supply RPS 30, RPS 80 EEC or RPS 120 EEC, 19" installation frame

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.