




HIRSCHMANN

A BELDEN BRAND

Product information SPIDER II 8TX/2FX-ST EEC

Industrial Ethernet:Unmanaged Industrial Ethernet Switches:SPIDER-Switches:SPIDER II 8TX/2FX-ST EEC

Name		SPIDER II 8TX/2FX-ST EEC
		
		Entry Level Industrial ETHERNET Rail-Switch, store and forward switching mode, Ethernet (10 Mbit/s) and Fast-Ethernet (100 Mbit/s)
Delivery informations		
Availability	available	
Product description		
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, 2 x 100BASE-FX, MM-cable, ST sockets	
Type	SPIDER II 8TX/2FX-ST EEC	
Order No.	943 958-221	
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 bei 1300 nm, A = 1 dB/km, 3 dB reserve, B = 500 MHz x km	
Single mode fiber (SM) 9/125 µm	n/a	
Single mode fiber (LH) 9/125 µm (long haul transceiver)	n/a	
Network size - cascading		
Line - / star topology	Any	
Power requirements		
Operating voltage	DC 9.6 V - 32 V	
Current consumption at 24 V DC	max. 330 mA	
Power consumption	max. 8.4 W 28.7 Btu(IT)/h	
Service		
Diagnostics	LEDs (power, link status, data, data rate)	
Redundancy		
Redundancy functions	n/a	
Ambient conditions		
Operating temperature	-40 °C to +70 °C	
Storage/transport temperature	-40 °C to +85 °C	
Relative humidity (non-condensing)	10% to 95%	
MTBF	55.2 years MIL-HDBK 217F: Gb 25°C	
Mechanical construction		
Dimensions (W x H x D)	35 mm x 138mm x 121 mm	
Mounting	DIN Rail 35 mm	
Weight	260 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.	



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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 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
EMV regulations for assembly in vehicles	n/a
Employment in vehicles	E1

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

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