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Product information
SPIDER II 8TX/1FX-ST EEC

Industrial Ethernet:Unmanaged Industrial Ethernet Switches:SPIDER-Switches:SPIDER II 8TX/1FX-ST EEC

http://e-catalog.hirschmann.com/link/57078-24455-49855-50103-40583/en/conf/uistate

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)
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, 1 x 100BASE-FX, MM-cable, ST sockets
Type	SPIDER II 8TX/1FX-ST EEC
Order No.	943 958-121
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 - cascadibility	
Line - / star topology	Any
Power requirements	
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
Service	
Diagnostics	LEDs (power, link status, data, data rate)
Redundancy	
Redundancy functions	n.v.
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	58.7 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	253 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 (linie/earth), 1 kV (linie/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 pupply RPS 30, RPS 80 EEC or RPS 120 EEC, 19" installation frame

For more information please contact:
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