




## HIRSCHMANN

A BELDEN BRAND

### Product information SPIDER 1TX/1FX-MM PD EEC

Industrial Ethernet:Unmanaged Industrial Ethernet Switches:SPIDER PoE-Switches:SPIDER 1TX/1FX-MM PD EEC

Name		SPIDER 1TX/1FX-MM PD EEC
		
		2 Port Switch with 1 x TX PoE PD Port and 1 x FX multimode SC port; enhanced environmental conditions
<b>Delivery informations</b>		
Availability	available	
<b>Product description</b>		
Description	2 Port Switch with 1 x TX PoE PD Port and 1 x FX multimode SC port; enhanced environmental conditions	
Port type and quantity	1 x 10/100BASE-TX, 1 x PoE according to IEEE802.3af, 1 x FX multimode SC port, TP-cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity	
Type	SPIDER 1TX/1FX-MM PD EEC	
Order No.	942 051-002	
<b>Classification</b>		
Belden brand	Hirschmann	
<b>More Interfaces</b>		
Power supply/signaling contact	PoE feeding, no signaling contact	
<b>Network size - length of cable</b>		
Twisted pair (TP)	0 m ... 100 m	
Multimode fiber (MM) 50/125 µm	0 - 2 km	
Multimode fiber (MM) 62.5/125 µm	0 - 2 km	
Single mode fiber (SM) 9/125 µm	n/a	
Single mode fiber (LH) 9/125 µm (long haul transceiver)	n/a	
<b>Network size - cascading</b>		
Line - / star topology	any	
<b>Power requirements</b>		
Operating voltage	48 VDC (36 ... 57 VDC, phantom power)	
Current consumption at 48 V DC	66 mA	
Power output in Btu (IT) h	10.7	
<b>Service</b>		
Diagnostics	LEDs (power, link status, data, data rate)	
<b>Ambient conditions</b>		
Operating temperature	-40 °C ... 70 °C	
Storage/transport temperature	-40 °C ... 85 °C	
Relative humidity (non-condensing)	5 % ... 95 %	
MTBF	55.3 years (MIL-HDBK-217F)	
<b>Mechanical construction</b>		
Dimensions (W x H x D)	25 mm x 100 mm x 70 mm	
Mounting	DIN Rail	
Weight	171 g	
Protection class	IP30	
<b>EMC interference immunity</b>		
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 MHz)	
<b>EMC emitted immunity</b>		
FCC CFR47 Part 15	FCC 47 CFR Part 15 Class A	



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EN 55022	EN 55022 Class A
<b>Approvals</b>	
Safety of industrial control equipment	cUL 508
EMV regulations for assembly in vehicles	Approval according to automotive directive 2005/83/EG (E13) in preparation
Employment in vehicles	E1
<b>Scope of delivery and accessories</b>	
Scope of delivery	device, manual

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