



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

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

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Name	SPIDER 1TX/1FX-SM PD EEC
	
	2 Port Switch with 1 x TX PoE PD Port and 1 x FX singlemode 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 singlemode SC port; enhanced environmental conditions
Port type and quantity	1 x 10/100BASE-TX, 1 x PoE according to IEEE802.3af, 1 x FX singlemode SC port, TP-cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity
Type	SPIDER 1TX/1FX-SM PD EEC
Order No.	942 051-003
<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	n/a
Multimode fiber (MM) 62.5/125 µm	n/a
Single mode fiber (SM) 9/125 µm	0 - 30 km
Single mode fiber (LH) 9/125 µm (long haul transceiver)	0 - 30 km
<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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<b>EN 55022</b>	EN 55022 Class A
<b>Approvals</b>	
<b>Safety of industrial control equipment</b>	cUL 508 (pending)
<b>EMV regulations for assembly in vehicles</b>	Approval according to automotive directive 2005/83/EG (E13) in preparation
<b>Employment in vehicles</b>	E13 (pending)
<b>Scope of delivery and accessories</b>	
<b>Scope of delivery</b>	device, manual

For more information please contact:

**Hirschmann Automation and Control GmbH**

Stuttgarter Strasse 45-51

72654 Neckartenzlingen

Germany

Phone: +49 7127/14-1809

E-Mail: [inet-sales@belden.com](mailto:inet-sales@belden.com)

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