

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

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

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
Delivery informations		
Availability	available	
Product description		
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	
Classification		
Belden brand	Hirschmann	
More Interfaces		
Power supply/signaling contact	PoE feeding, no signaling contact	
Network size - length of cable		
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	
Network size - cascading		
Line - / star topology	any	
Power requirements		
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	
Service		
Diagnostics	LEDs (power, link status, data, data rate)	
Ambient conditions		
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)	
Mechanical construction		
Dimensions (W x H x D)	25 mm x 100 mm x 70 mm	
Mounting	DIN Rail	
Weight	171 g	
Protection class	IP30	
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 MHz)	
EMC emitted immunity		
FCC CFR47 Part 15	FCC 47 CFR Part 15 Class A	



HIRSCHMANN

A BELDEN BRAND

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EN 55022 | EN 55022 Class A

Approvals

Safety of industrial control equipment | cUL 508 (pending)

EMV regulations for assembly in vehicles | Approval according to automotive directive 2005/83/EG (E13) in preparation

Employment in vehicles | E13 (pending)

Scope of delivery and accessories

Scope of delivery | device, manual

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