




Product information
SPIDER 1TX/1FX-SM PD EEC
942 051-003

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)	100 mm x 25 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

The information published has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price related/commercial respect.



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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