



Part Number: SPIDER 1TX/1FX-SM PD EEC

Unmanaged 2-port Switch for media conversion, PoE powered device

Product Description

Unmanaged Industrial Ethernet DIN Rail Mount PoE powered Switch for media conversion with extended temperature range, 1 x 10/100 Mbit/s RJ 45 1 x 10/100 Mbit/s SM SC

Technical Specifications

Product description

Description:	2 Port Switch with 1 x TX PoE PD Port and 1 x FX singlemode SC port; enhanced environmental conditions
Part Number:	942 051-003
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

More Interfaces

Power supply/signaling contact:	PoE feeding, no signaling contact
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Network size - length of cable

Twisted pair (TP):	0-100 m
Single mode fiber (SM) 9/125 µm:	0 - 30 km (Link Budget at 1300 nm = 0 - 16 dB; A = 0,4 dB/km)

Network size - cascading

Line - / star topology:	any
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Power requirements

Operating Voltage:	48 VDC (36 ... 57 VDC, phantom power)
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Diagnostics features

Diagnostic functions:	LEDs (power, link status, data, data rate)
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Ambient conditions

MTBF (MIL-HDBK 217F: Gb 25 °C):	55.3 Years
Operating temperature:	-40-+70 °C
Storage/transport temperature:	-40-+85 °C
Relative humidity (non-condensing):	5-95 %

Mechanical construction

Dimensions (WxHxD):	100 mm x 25 mm x 70 mm
Weight:	171 g
Mounting:	DIN Rail
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)
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EMC emitted immunity

EN 55022:	EN 55022 Class A
FCC CFR47 Part 15:	FCC 47CFR Part 15, Class A

Approvals

Safety of industrial control equipment:	cUL 508
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Scope of delivery and accessories

Variants

Item #
942051003

Update and Revision:	Revision Number: 0.48 Revision Date: 05-10-2019
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