



**Product:** [SPIDER 1TX/1FX-MM 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 MM SC

## Technical Specifications

### Product description

Description:	2 Port Switch with 1 x TX PoE PD Port and 1 x FX multimode SC port; enhanced environmental conditions
Part Number:	942 051-002
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

### 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
Multimode fiber (MM) 50/125:	0 - 2 km
Multimode fiber (MM) 62.5/125:	0 - 2 km

### Network size - cascability

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 (W x H x D):	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:	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

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 #
942051002

Update and Revision:	Revision Number: 0.52 Revision Date: 09-30-2019
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