Product: SPIDER 1TX/1FX

Unmanaged 2-port Switch for media conversion

Product Description

Unmanaged Industrial Ethernet DIN Rail Mount Switch, store and forward switching mode, 1 x 10/100 Mbit/s RJ45, 1 x 100 Mbit/s MM SC

Technical Specifications

Product description

Description:	Entry Level Industrial ETHERNET Rail Switch, store and forward switching mode, Ethernet and Fast-Ethernet (10/100 Mbit/s)
Part Number:	943 890-001
Port type and quantity:	1 x 10/100BASE-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity 1 x 100BASE-FX, MM cable, SC sockets

More Interfaces

Power supply/signaling contact:	1 x plug-in terminal block, 3-pin, no signaling contact

Network size - length of cable

Twisted pair (TP):	0-100 m
Multimode fiber (MM) 50/125 µm:	0 - 5000 m (Link Budget at 1310 nm = 0 - 8 dB; A=1 dB/km; BLP = 800 MHz*km)
Multimode fiber (MM) 62.5/125 µm:	0 - 4000 m (Link Budget at 1310 nm = 0 - 11 dB; A = 1 dB/km; BLP = 500 MHz*km)

Network size - cascadibility

Line - / star topology:	any

Power requirements

Current consumption at 24 V DC:	Max. 130 mA
Operating Voltage:	9,6 V DC - 32 V DC
Power consumption:	Max. 3,0 W 10,2 Btu (IT)/h at 24 V DC

Diagnostics features

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

Ambient conditions

MTBF (MIL-HDBK 217F: Gb 25 ºC):	128.1 Years
Operating temperature:	0-+60 °C
Storage/transport temperature:	-40-+70 °C
Relative humidity (non-condensing):	10-95 %

Mechanical construction

Dimensions (W x H x D):	25 mm x 114 mm x 79 mm
Weight:	105 g
Mounting:	DIN Rail
Protection class:	IP30

Mechanical stability

IEC 60068-2-6 vibration:	3.5 mm, 3 Hz-9 Hz, 10 cycles, 1 octave/min.; 1g, 9 Hz-150 Hz, 10 cycles, 1 octave/min

IEC 60068-2-27 shock:	15 g, 11 ms duration, 18 shocks

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

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

Approvals

Safety of industrial control equipment:	cUL 508

Scope of delivery and accessories

Variants

Item #
943890001

Update and Revision:	Revision Number: 0.69 Revision Date: 08-07-2020