HIRSCHMANN
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Product: SPIDER II 8TX/2FX-ST EEC

Unmanaged 10-port Switch

Product Description

Unmanaged Industrial Ethernet DIN Rail Mount Switch with extended temperature range, store and forward switching mode, 8 x 10/100 Mbit/s RJ45 2 x 100 Mbit/s MM ST

Technical Specifications

Product description

Description:	Entry Level Industrial ETHERNET Rail-Switch, store and forward switching mode, Ethernet (10 Mbit/s) and Fast-Ethernet (100 Mbit/s)
Part Number:	943958221
Port type and quantity:	8 x 10/100BASE-TX, TP-cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity, 2 x 100BASE-FX, MM-cable, ST 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
Single mode fiber (SM) 9/125 µm:	n/a
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. 330 mA
Operating Voltage:	DC 9.6 V - 32 V
Power consumption:	max. 8.4 W 28.7 Btu(IT)/h

Diagnostics features

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

Ambient conditions

MTBF (MIL-HDBK 217F: Gb 25 °C):	55.2 Years
Operating temperature:	-40-+70 °C
Storage/transport temperature:	-40-+85 °C
Relative humidity (non-condensing):	10-95 %

Mechanical construction

Dimensions (WxHxD):	35 mm x 152 mm x 121 mm
Weight:	260 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

Further Instructions

Product Documentation:	https://www.doc.hirschmann.com
Certificates:	https://www.doc.hirschmann.com/certificates.html

History

Update and Revision:	Revision Number: 0.121 Revision Date: 03-10-2023

Variants

Item #	Type
943958221	SPIDER II 8TX/2FX-ST EEC

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