HIRSCHMANN
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Product: SPIDER-SL-20-04T1M49999TY9HHHH

Configurator: SPIDER-SL-20-04T1M49999TY9HHHH

Configurator Description

Reliably transmit large amounts of data across any distance with the SPIDER III family of industrial Ethernet switches. These unmanaged switches have plug-and-play capabilities to allow for quick installation and startup - without any tools - to maximize uptime.

Technical Specifications

Product description

Description	Unmanaged, Industrial ETHERNET Rail Switch, fanless design, store and forward switching mode , Fast Ethernet
Part Number	942132019
Port Type and Quantity	4 x 10/100BASE-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity , 1 x 100BASE-FX, MM cable, ST sockets

More Interfaces

Power supply/signaling contact	1 x plug-in terminal block, 3-pin

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 1300 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. 100 mA
Operating Voltage	12/24 V DC (9.6 - 32 V DC)
Power Consumption	Max. 2.4 W
Power output in BTU (IT)/h	8.3

Diagnostics features

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

Ambient conditions

MTBF	2.282.902 h (Telcordia)
Relative humidity (non-condensing)	10 - 95 %

Mechanical construction

Dimensions (WxHxD)	26 x 102 x 79 mm (w/o terminal block)
Weight	120 g
Mount Type	DIN rail
IP Protection Rating	IP30 plastic

Mechanical stability

IEC 60068-2-6 vibration	3.5 mm, 5–8.4 Hz, 10 cycles, 1 octave/min 1 g, 8.4–150 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	20V/m (80 – 1000 MHz), 10V/m (1000 – 3000 MHz)
EN 61000-4-4 fast transients (burst)	2kV power line; 4kV data line
EN 61000-4-5 surge voltage	power line: 2kV (line/earth), 1kV (line/line); 1kV data line
EN 61000-4-6 Conducted Immunity	10V (150 kHz - 80 MHz)

EMC emitted immunity

EN 55022	EN 55032 Class A
FCC CFR47 Part 15	FCC 47CFR Part 15, Class A

Approvals

Basis Standard	CE, FCC, EN61131
Safety of industrial control equipment	cUL 61010-1/61010-2-201

Reliability

Guarantee	60 months (please refer to the terms of guarantee for detailed information)

Scope of delivery and accessories

Accessories	Rail Power Supply RPS 30/80 EEC/120 EEC (CC), Wall mounting plate for DIN rail mounting (width 40/70 mm)
Scope of delivery	Device, terminal block, safety instruction

Further Instructions

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

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