HIRSCHMANN
A BELDEN BRAND



Product: SPIDER-SL-24-04T1S49999TY9HHHH

Configurator: SPIDER-SL /-PL

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 with PoE+
Port type and quantity	4 x 10/100BASE-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity , thereof 4x PoE+ ports , 1 x 100BASE-FX, SM cable, ST sockets

More Interfaces

Power supply/signaling contact	1 x plug-in terminal block, 4-pin

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; BLP = 3.5 ps/(nm*km))

Network size - cascadibility

Line - / star topology	any

Power requirements

Operating Voltage	24/48 V DC (12 - 57 V DC / 12 - 18 V DC, derating output)
Power consumption	Max. 134.2 W with 120 W PoE output
Power output in BTU (IT)/h	Max. 49

Diagnostics features

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

Ambient conditions

MTBF	1.447.374 h (Telcordia)
Operating temperature	-40-+70 °C
Storage/transport temperature	-40-+85 °C
Relative humidity (non-condensing)	10 - 95 %

Mechanical construction

Dimensions (WxHxD)	37 x 115 x 130 mm (w/o terminal block)
Weight	670 g
Mounting	DIN rail
Protection class	IP30 metal housing

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)	4 kV contact discharge, 8 kV air discharge
EN 61000-4-3 electromagnetic field	10V/m (80 – 3000 MHz)
EN 61000-4-4 fast transients (burst)	2 kV power line, 2 kV data line 2kV power line; 4kV data line (SL-40-08T only 2kV 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
Railway norm	EN50121-4

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

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