



Product: SPIDER-PL-30-24T1O6O699TWWHHHV

Configurator: SPIDER-SL /-PL configurator

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, USB interface for configuration, Fast and Gigabit Ethernet
Port type and quantity	24 x 10/100BASE-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity, 2 x 100/1000Mbit/s SFP

More Interfaces

Power supply/signaling contact	1 x plug-in terminal block, 6-pin
USB interface	1 x USB for configuration

Network size - length of cable

Twisted pair (TP)	0 - 100 m
Single mode fiber (SM) 9/125 µm	0 - 20 km, 0 - 11 dB Link Budget (with M-SFP-LX/LC)
Multimode fiber (MM) 50/125 µm	0 - 550m, 0 - 7,5 dB link budget (with M-SFP-SX/LC)
Multimode fiber (MM) 62.5/125 µm	0 - 275 m, 0 - 7,5 dB Link Budget at 850 nm (with M-SFP-SX/LC)

Network size - cascading

Line - / star topology	any
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Power requirements

Operating Voltage	12/24/48 V DC (9.6 - 60 V DC), 24 V AC, redundant
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Diagnostics features

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

Switching	Ingress Storm Protection, Jumbo Frames, QoS / Port Prioritization (802.1D/p)
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Ambient conditions

Relative humidity (non-condensing)	10 - 95 %
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Mechanical construction

Dimensions (WxHxD)	94 x 163,6 x 114,7 mm (w/o terminal block)
Weight	1140 g
Mounting	DIN rail
Protection class	IP40 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)	8 kV contact discharge, 15 kV air discharge
EN 61000-4-3 electromagnetic field	20V/m (80 – 3000 MHz); 10V/m (3000 – 6000 MHz)
EN 61000-4-4 fast transients (burst)	4kV power line; 4kV data line
EN 61000-4-5 surge voltage	power line: 2kV (line/earth), 1kV (line/line); 4kV 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
Hazardous locations	ISA 12.12.01 Class 1 Div. 2; ATEX Zone 2
Shipbuilding	DNVGL
Substation	IEC61850-3; IEEE1613
Railway norm	EN50121-4

Reliability

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