



Product: SPIDER-PL-20-07T1M2M299TY9HHHH

Configurator: SPIDER-SL /-PL

Configurator Description

SPIDER III PoE Standard Line The SPIDER III PoE Standard Line switches are highly flexible, configurable and built for PoE+, eliminating the need for an external PoE power supply. SPIDER III Premium Line The SPIDER III Premium Line is designed to offer cost-effective, unmanaged switches with a robust set of customizable features to meet individual network needs across a variety of industries.

Technical Specifications

Product description

Description	Unmanaged, Industrial ETHERNET Rail Switch, fanless design, store and forward switching mode, USB interface for configuration , Fast Ethernet
Part Number	942141030
Port type and quantity	7 x 10/100BASE-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity , 2 x 100BASE-FX, MM cable, SC sockets

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
Multimode fiber (MM) 50/125	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	0 - 4000 m (Link Budget at 1300 nm = 0 - 11 db; A = 1 dB/km; BLP = 500 MHz*km)

Network size - cascadiability

Line - / star topology	any
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Power requirements

Current consumption at 24 V DC	Max. 280 mA
Operating voltage	12/24 V DC (9.6 - 32 V DC), redundant
Power consumption	Max. 6.9 W
Power output in Btu (IT) h	23.7

Diagnostics features

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

MTBF	852.056 h (Telcordia)
Operating temperature	-40-+70 °C
Storage/transport temperature	-40-+85 °C
Relative humidity (non-condensing)	10 - 95 %

Mechanical construction

Weight	510 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	4 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 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

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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