




## Product information

### SPIDER III - SPIDER-PL-20-01T1M29999TX9HHHH

Industrial Ethernet:Unmanaged Industrial Ethernet Switches:SPIDER III-Switches:SPIDER III  
<https://e-catalog.hirschmann.com:443/link/57078-24455-49855-437329-461176/en/SPIDER-PL-20-01T1M29999TX9HHHH/uistate>

Name	SPIDER III
	
	Unmanaged, Industrial ETHERNET Rail Switch, fanless design, store and forward switching mode, 10/100 Mbit/s Ethernet
<b>Delivery informations</b>	
Availability	available
<b>Product description</b>	
Description	Unmanaged, Industrial ETHERNET Rail Switch, fanless design, store and forward switching mode, 10/100 Mbit/s Ethernet
Port type and quantity	1x 10/100BASE-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity, 1 x 100BASE-FX, MM cable, SC sockets
Type	SPIDER-PL-20-01T1M29999TX9HHHH
Order No.	942141122
<b>More Interfaces</b>	
Power supply/signaling contact	1 x plug-in terminal block, 6-pin
<b>Network size - length of cable</b>	
Twisted pair (TP)	0 m ... 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)
<b>Network size - cascading</b>	
Line - / star topology	any
<b>Power requirements</b>	
Operating voltage	12/24 V DC (9.6 - 32 V DC), redundant
Current consumption at 24 V DC	Max. 160 mA
Power consumption	Max. 3.8 W, 13.1 Btu (IT) h
<b>Ambient conditions</b>	
Operating temperature	-40 °C ... 70 °C
Storage/transport temperature	-40 °C ... 85 °C
Relative humidity (non-condensing)	0 % ... 95 %
MTBF (Telcordia)	1.349.776 hours; Telcordia SR-332; Gb 25°C
<b>Mechanical construction</b>	
Dimensions (W x H x D)	39 x 135 x 117 mm (w/o terminal block)
Mounting	DIN Rail
Weight	400 g
Protection class	IP40 (metal housing)
<b>Mechanical stability</b>	
IEC 60068-2-27 shock	15 g, 11 ms duration, 18 shocks
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
<b>EMC interference immunity</b>	
EN 61000-4-2 electrostatic discharge (ESD)	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)
<b>EMC emitted immunity</b>	
FCC CFR47 Part 15	FCC 47 CFR Part 15 Class A
EN 55022	EN 55022 Class A
<b>Service</b>	
Diagnostics	LEDs (power, link status, data, data rate)

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**Approvals**

<b>Safety of industrial control equipment</b>	UL61010-1/-2-201
<b>Hazardous locations</b>	ISA-12.12.-01 Class 1 Div. 2 Group
<b>Scope of delivery and accessories</b>	
<b>Scope of delivery</b>	Device, terminal block, safety instruction
<b>Accessories</b>	Rail Power Supply RPS 30/80 EEC/120 EEC (CC), Wall mounting plate for DIN rail mounting (width 40/70 mm)

For more information please contact:

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