



HIRSCHMANN

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Product information SPIDER III - Standard Line (SL) and Premium Line (PL) - SPIDER-PL-20-04T1M29999TY9HHHH

Industrial Ethernet:Unmanaged Industrial Ethernet Switches:SPIDER III-Switches:SPIDER III - Standard Line (SL) and Premium Line (PL)

<https://www.e-catalog.beldensolutions.com:443/link/57078-24455-49855-437329-498960/en/SPIDER-PL-20-04T1M29999TY9HHHH/ui/state>

Name		SPIDER III - Standard Line (SL) and Premium Line (PL)
		
		Unmanaged, Industrial ETHERNET Rail Switch, fanless design, store and forward switching mode, 10/100 Mbit/s Ethernet
Delivery informations		
Availability		available
Product description		
Description		Unmanaged, Industrial ETHERNET Rail Switch, fanless design, store and forward switching mode, 10/100 Mbit/s Ethernet
Port type and quantity		4x 10/100BASE-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity, 1 x 100BASE-FX, MM cable, SC sockets
Type		SPIDER-PL-20-04T1M29999TY9HHHH
Order No.		942 141-024
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 m ... 100 m
Multimode fiber (MM) 50/125 µm		0 - 5000 m (Link Budget at 1300 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 - cascading		
Line - / star topology		any
Power requirements		
Operating voltage		12/24 V DC (9,6 - 32 V DC), redundant
Current consumption at 24 V DC		Max. 180 mA
Power consumption		Max. 4.3 W, 14.7 Btu (IT) h
Ambient conditions		
Operating temperature		-40 °C ... 70 °C
Storage/transport temperature		-40 °C ... 85 °C
Relative humidity (non-condensing)		0 % ... 95 %
MTBF (Telcordia)		1.149.795 hours; Telcordia SR-332; Gb 25°C
Mechanical construction		
Dimensions (W x H x D)		39 x 135 x 117 mm (w/o terminal block)
Mounting		DIN Rail
Weight		430 g
Protection class		IP40 (metal housing)
Mechanical stability		
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
Configurable parameters		
Configurable parameters		Global settings: power supply unit alarm, aging time, QoS 802.1p mapping, QoS DSCP mapping; Port settings: flow control, port admin state, broadcast storm protection/threshold, multicast storm protection/threshold, QoS Trust Mode, port based priority, link alarm; TX port settings: auto-negotiation, speed, duplex mode, auto-crossing, MDI state, energy efficient ethernet; FX port settings: duplex mode
EMC interference immunity		
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)



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EMC emitted immunity

FCC CFR47 Part 15	FCC 47 CFR Part 15 Class A
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EN 55022	EN 55022 Class A
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Service

Diagnostics	LEDs (power, link status, data, data rate)
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Approvals

Safety of industrial control equipment	cUL61010
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Scope of delivery and accessories

Scope of delivery	Device, terminal block, safety instruction
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Accessories	Rail Power Supply RPS 30/80 EEC/120 EEC (CC), Wall mounting plate for DIN rail mounting 40mm - order nr. 942 177-001, wall mounting plate for DIN rail mounting 70mm - order nr. 942 177-002
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For more information please contact:

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