




Product information SPIDER III - Standard Line (SL) and Premium Line (PL) - SPIDER-PL-20-07T1M2M299TY9HHHH

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

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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	7x 10/100BASE-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity, 2 x 100BASE-FX, MM cable, SC sockets
Type	SPIDER-PL-20-07T1M2M299TY9HHHH
Order No.	942 141-030
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. 280 mA
Power consumption	Max. 6.9 W, 23.7 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)	852.056 hours; Telcordia SR-332; Gb 25°C
Mechanical construction	
Dimensions (W x H x D)	56 x 135 x 117 mm (w/o terminal block)
Mounting	DIN Rail
Weight	510 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

EN 55022 EN 55022 Class A

Service

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

Approvals

Safety of industrial control equipment cUL61010

Scope of delivery and accessories

Scope of delivery Device, terminal block, safety instruction

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

For more information please contact:

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