




Product information

SPIDER III - SPIDER-PL-20-07T1M2M299TY9HHHH

Industrial Ethernet:Unmanaged Industrial Ethernet Switches:SPIDER III-Switches:SPIDER III
<https://www.e-catalog.beldensolutions.com:443/link/57078-24455-49855-437329-498960/en/SPIDER-PL-20-07T1M2M299TY9HHHH/uistate>

Name	SPIDER III
	
	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 - cascadiability	
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 | UL61010-1/-2-201

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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