




Product information SPIDER III - Standard Line (SL) and Premium Line (PL) - SPIDER-PL-20-07T1S2S299TY9HHHH

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-20-07T1S2S299TY9HHHH/uistate>

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, SM cable, SC sockets	
Type	SPIDER-PL-20-07T1S2S299TY9HHHH	
Order No.	942 141-031	
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	
Single mode fiber (SM) 9/125 µm	0 - 30 km (Link Budget at 1300 nm = 0 - 16 db; A = 0.4 dB/km; BLP = 3.5 ps/(nm*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)	731.432 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
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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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