



## Product information SPIDER III - SPIDER-SL-20-06T1S2S299SY9HHHH

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-SL-20-06T1S2S299SY9HHHH/ui/state>

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	6x 10/100BASE-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity, 2 x 100BASE-FX, SM cable, SC sockets
Type	SPIDER-SL-20-06T1S2S299SY9HHHH
Order No.	942 132-013
<b>More interfaces</b>	
Power supply/signaling contact	1 x plug-in terminal block, 3-pin
<b>Network size - length of cable</b>	
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))
<b>Network size - cascading</b>	
Line - / star topology	any
<b>Power requirements</b>	
Operating voltage	12/24 V DC (9.6 - 32 V DC)
Current consumption at 24 V DC	Max. 160 mA
Power consumption	Max. 3.8 W, 12.8 Btu (IT) h
<b>Ambient conditions</b>	
Operating temperature	0 °C ... 60 °C
Storage/transport temperature	-40 °C ... 70 °C
Relative humidity (non-condensing)	0 % ... 95 %
MTBF (Telcordia)	1.162.135 hours; Telcordia SR-332; Gb 25°C
<b>Mechanical construction</b>	
Dimensions (W x H x D)	45 x 110 x 88 mm (w/o terminal block)
Mounting	DIN Rail
Weight	230 g
Protection class	IP30
<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)
<b>Approvals</b>	
Safety of industrial control equipment	UL61010-1/-2-201

**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-SL-20-06T1S2S299SY9HHHH/ulistate>

**Scope of delivery and accessories**

<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 40mm - order nr. 942 177-001,wall mounting plate for DIN rail mounting 70mm - order nr. 942 177-002

For more information please contact:

**Hirschmann Automation and Control GmbH**

Stuttgarter Strasse 45-51

72654 Neckartenzlingen

Germany

Phone: +49 7127/14-1809

E-Mail: [inet-sales@belden.com](mailto:inet-sales@belden.com)

The information published in the websites has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price-related/commercial respect. The complete information and data were available on user documentation. Mandatory information can only be obtained by a concrete query.