



## Product information

### SPIDER III - SPIDER-SL-20-01T1M29999SY9HHHH

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-20-01T1M29999SY9HHHH/uistate>

|                                            |                                                                                                                                |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| 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                     | 1x 10/100BASE-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity, 1 x 100BASE-FX, MM cable, SC sockets |
| Type                                       | SPIDER-SL-20-01T1M29999SY9HHHH                                                                                                 |
| Order No.                                  | 942 132-005                                                                                                                    |
| <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                                                                                                                  |
| 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)                                                 |
| <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. 83 mA                                                                                                                     |
| Power consumption                          | Max. 2.0 W, 7.0 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)                           | 2.705.181 hours; Telcordia SR-332; Gb 25°C                                                                                     |
| <b>Mechanical construction</b>             |                                                                                                                                |
| Dimensions (W x H x D)                     | 26 x 102 x 79 mm (w/o terminal block)                                                                                          |
| Mounting                                   | DIN Rail                                                                                                                       |
| Weight                                     | 100 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)                                                                                     |



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### Approvals

|                                               |                  |
|-----------------------------------------------|------------------|
| <b>Safety of industrial control equipment</b> | UL61010-1/-2-201 |
|-----------------------------------------------|------------------|

### 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:

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