



Product information SPIDER III - SPIDER-PL-20-01T1S29999TY9HHHH

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-20-01T1S29999TY9HHHH/ulistate>

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| Name | SPIDER III |
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| | 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 | 1x 10/100BASE-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity, 1 x 100BASE-FX, SM cable, SC sockets |
| Type | SPIDER-PL-20-01T1S29999TY9HHHH |
| Order No. | 942 141-023 |
| More interfaces | |
| Power supply/signaling contact | 1 x plug-in terminal block, 6-pin |
| 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 - 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. 160 mA |
| Power consumption | Max. 3.8 W, 13.1 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) | 1.226.563 hours; Telcordia SR-332; Gb 25°C |
| Mechanical construction | |
| Dimensions (W x H x D) | 39 x 135 x 117 mm (w/o terminal block) |
| Mounting | DIN Rail |
| Weight | 400 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 |
| 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) |
| 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 |

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Scope of delivery and accessories

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|--------------------------|--|
| 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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