

Product information

SPIDER 1TX/1FX-SM

Industrial Ethernet:Entry Level Hubs And Switches:Unmanaged Standard Rail Switches:SPIDER 1TX/1FX-SM

<http://www.e-catalog.beldensolutions.com/link/57078-24455-49855-50103-40013/en/conf/uistate>

Name		SPIDER 1TX/1FX-SM
		
		Entry Level Industrial ETHERNET Rail Switch, store and forward switching mode, Ethernet and Fast-Ethernet (10/100 Mbit/s)
Delivery informations		
Availability		available
Product description		
Description		Entry Level Industrial ETHERNET Rail Switch, store and forward switching mode, Ethernet and Fast-Ethernet (10/100 Mbit/s)
Port type and quantity		1 x 10/100BASE-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity 1 x 100BASE-FX, SM cable, SC sockets
Type		SPIDER 1TX/1FX-SM
Order No.		943 891-001
More Interfaces		
Power supply/signaling contact		1 plug-in terminal block, 3-pin, no signal contact
Network size - length of cable		
Twisted pair (TP)		0 - 100 m
Single mode fiber (SM) 9/125 µm		0 - 32,5 km, 16 dB link budget at 1300 nm, A = 0,4 dB/km, 3 dB reserve, D = 3,5 ps/(nm x km)
Network size - cascability		
Line - / star topology		Any
Power requirements		
Operating voltage		9,6 V DC - 32 V DC
Current consumption at 24 V DC		Max. 130 mA
Power consumption		Max. 3,0 W 10,2 Btu (IT)/h at 24 V DC
Service		
Diagnostics		LEDs (power, link status, data, data rate)
Ambient conditions		
Operating temperature		0 °C to +60 °C
Storage/transport temperature		-40 °C to +70 °C
Relative humidity (non-condensing)		10% to 95%
MTBF		101.5 years; MIL-HDBK 217F: Gb 25 °C
Mechanical construction		
Dimensions (W x H x D)		25 mm x 114 mm x 79 mm
Mounting		DIN Rail 35 mm
Weight		105 g
Protection class		IP 30
Mechanical stability		
IEC 60068-2-27 shock		15 g, 11 ms duration, 18 shocks
IEC 60068-2-6 vibration		3.5 mm, 3 Hz - 9 Hz, 10 cycles, 1 octave/min.; 1g, 9 Hz - 150 Hz, 10 cycles, 1 octave/min.
EMC interference immunity		
EN 61000-4-2 electrostatic discharge (ESD)		6 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 kHz)

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EMC emitted immunity
FCC CFR47 Part 15 FCC CFR47 Part 15 Class A

EN 55022 EN 55022 Class A

Approvals
Safety of industrial control equipment cUL 508

Scope of delivery and accessories
Scope of delivery Device, terminal block, operating manual

Accessories to order separately Rail power supply RPS 30, RPS 80 EEC or RPS 120 EEC, 19" installation frame

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

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