



SPIDER II 8TX

Industrial Networking:Industrial Ethernet:Rail Family:Unmanaged Rail-Switches

Delivery informations

Availability	available
Document created at	15.02.2010

Product description

Description	Entry Level Industrial ETHERNET Rail-Switch, store and forward switching mode, Ethernet (10 Mbit/s) and Fast-Ethernet (100 Mbit/s)
Port type and quantity	8 x 10/100BASE-TX, TP-cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity
Type	SPIDER II 8TX
Order No.	943 957-001

More Interfaces

Power supply/signaling contact	1 plug-in terminal block, 3-pin, no signaling contact
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Network size - length of cable

Twisted pair (TP)	0 - 100 m
Multimode fiber (MM) 50/125 μ m	n/a
Multimode fiber (MM) 62.5/125 μ m	n/a
Single mode fiber (SM)9/125 μ m	n/a
Single mode fiber (LH)9/125 μ m (long haul transceiver)	n/a

Network size - cascading

Line - / star topology	Any
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Power requirements

Operating voltage	DC 9.6 V - 32 V
Current consumption at 24 V DC	max. 150 mA
Power consumption	max. 4.1 W; 14.0 Btu(IT)/h

Service

Diagnostics	LEDs (power, link status, data, data rate)
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Redundancy

Redundancy functions	n/a
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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	98.8 years, MIL-HDBK 217F: Gb 25°C

Mechanical construction

Dimensions (W x H x D)	35 mm x 138mm x 121 mm
Mounting	DIN Rail 35 mm
Weight	246 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 (linie/earth), 1 kV (linie/line), 1 kV data line
EN 61000-4-6 conducted immunity	10 V (150 kHz - 80 kHz)
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 (E175531) pending
EMV regulations for assembly in vehicles	n/a
Hazardous locations	n/a
Employment in vehicles	n/a
Safety of information technology equipment	n/a
Germanischer Lloyd	n/a
Scope of delivery and accessories	
Scope of delivery	Device, terminal block, operating manual
Accessories to order separately	Rail power pupply RPS 30, RPS 80 EEC or RPS 120 EEC, 19" installation frame