


Data sheet SPIDER II 8TX - SPIDER II 8TX

Industrial Ethernet:Entry Level Hubs And Switches:Unmanaged Standard Rail Switches:SPIDER II 8TX

Name		SPIDER II 8TX
		
Delivery informations		
Document created at	28-06-2010	
Availability	available	
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	
Network size - length of cable		
Twisted pair (TP)	0 - 100 m	
Multimode fiber (MM) 50/125 µm	n/a	
Multimode fiber (MM) 62.5/125 µm	n.v.	
Single mode fiber (SM) 9/125 µm	n/a	
Single mode fiber (LH) 9/125 µm (long haul transceiver)	n/a	
Network size - cascading		
Line - / star topology	Any	
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)	
Redundancy		
Redundancy functions	n.v.	
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	

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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.v.
Hazardous locations	n/a
Employment in vehicles	n.v.
Safety of information technology equipment	n.v.
Germanischer Lloyd	n.v.
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