




## Data sheet SPIDER II 8TX EEC

Industrial Ethernet:Entry Level Hubs And Switches:Unmanaged Standard Rail Switches:SPIDER II 8TX EEC	
Name	SPIDER II 8TX EEC
	
	Entry Level Industrial ETHERNET Rail-Switch, store and forward switching mode, Ethernet (10 Mbit/s) and Fast-Ethernet (100 Mbit/s)
<b>Delivery informations</b>	
Document created at	14-01-2011
Availability	available
<b>Product description</b>	
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 EEC
Order No.	943 958-001
<b>More interfaces</b>	
Power supply/signaling contact	1 plug-in terminal block, 3-pin, no signaling contact
<b>Network size - length of cable</b>	
Twisted pair (TP)	0 - 100 m
Multimode fiber (MM) 50/125 µm	n/a
Multimode fiber (MM) 62.5/125 µm	n/a
Single mode fiber (SM) 9/125 µm	n.v.
Single mode fiber (LH) 9/125 µm (long haul transceiver)	n.v.
<b>Network size - cascading</b>	
Line - / star topology	Any
<b>Power requirements</b>	
Operating voltage	DC 9.6 V - 32 V
Current consumption at 24 V DC	max. 235 mA
Power consumption	max. 5.8 W; 19.8 Btu(IT)/h
<b>Service</b>	
Diagnostics	LEDs (power, link status, data, data rate)
<b>Redundancy</b>	
Redundancy functions	n/a
<b>Ambient conditions</b>	
Operating temperature	-40 °C to +70 °C
Storage/transport temperature	-40 °C to +85 °C
Relative humidity (non-condensing)	10% to 95%
MTBF	62.0 years MIL-HDBK 217F: Gb 25°C
<b>Mechanical construction</b>	
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
<b>Mechanical stability</b>	
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.
<b>EMC interference immunity</b>	
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



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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)
<b>EMC emitted immunity</b>	
FCC CFR47 Part 15	FCC CFR47 Part 15 Class A
EN 55022	EN 55022 Class A
<b>Approvals</b>	
Safety of industrial control equipment	cUL 508 (E175531) pending
EMV regulations for assembly in vehicles	n/a
Hazardous locations	n.v.
Employment in vehicles	n.v.
Safety of information technology equipment	n.v.
Germanischer Lloyd	n/a
<b>Scope of delivery and accessories</b>	
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