



## SPIDER II Giga 5T EEC

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, 10/100/1000 Mbit/s Ethernet (available from Jan. 2009)
Port type and quantity	5 x 10/100/1000BASE-T, TP-cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity
Type	SPIDER II Giga 5T EEC
Order No.	943 962-002

### 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 µm	n/a
Multimode fiber (MM) 62.5/125 µm	n/a
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
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### Power requirements

Operating voltage	DC 9.6 V - 32 V
Current consumption at 24 V DC	max. 145 mA
Power consumption	max. 3.6 W; 12.3 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	-40 °C to +70 °C
Storage/transport temperature	-40 °C to +85 °C
Relative humidity (non-condensing)	10% to 95%
MTBF	n/a

### Mechanical construction

Dimensions (W x H x D)	35 mm x 138 mm x 121 mm
Mounting	DIN Rail 35 mm
Weight	240 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)
<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/a
Employment in vehicles	n/a
Safety of information technology equipment	n/a
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 pupply RPS 30, RPS 80 EEC or RPS 120 EEC, 19" installation frame