



**Part Number: SPIDER II 8TX/1FX-SM EEC**  
**Unmanaged 9-port Switch**

**Product Description**

Unmanaged Industrial Ethernet DIN Rail Mount Switch with extended temperature range, store and forward switching mode, 8 x 10/100 Mbit/s RJ45 1 x 100 Mbit/s SM SC

**Technical Specifications**

**Product description**

Part Number:	943 958-131
Port type and quantity:	8 x 10/100BASE-TX, TP-cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity, 1 x 100BASE-FX, SM-cable, SC sockets

**More Interfaces**

Power supply/signaling contact:	1 x plug-in terminal block, 3-pin, no signaling 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 D = 3,5 ps/(nm*km)
Multimode fiber (MM) 50/125 µm:	n/a
Multimode fiber (MM) 62.5/125 µm:	n/a

**Network size - cascading**

Line - / star topology:	any
-------------------------	-----

**Power requirements**

Current consumption at 24 V DC:	max. 275 mA
Operating Voltage:	DC 9.6 V - 32 V
Power consumption:	max. 7 W 23.9 Btu(IT)/h

**Diagnostics features**

Diagnostic functions:	LEDs (power, link status, data, data rate)
-----------------------	--

**Ambient conditions**

MTBF (MIL-HDBK 217F: Gb 25 °C):	58.7 Years
Operating temperature:	-40-+70 °C
Storage/transport temperature:	-40-+85 °C
Relative humidity (non-condensing):	10-95 %

**Mechanical construction**

Dimensions (WxHxD):	25 mm x114 mm x79 mm
Weight:	253 g
Mounting:	DIN Rail
Protection class:	IP30

**Mechanical stability**

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
IEC 60068-2-27 shock:	15 g, 11 ms duration, 18 shocks

## 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 MHz)

## EMC emitted immunity

EN 55022:	EN 55022 Class A
FCC 47CFR Part 15:	FCC 47CFR Part 15, Class A
FCC CFR47 Part 15:	FCC 47CFR Part 15, Class A

## Approvals

Safety of industrial control equipment:	cUL 508
---	---------

## Scope of delivery and accessories

### Variants

Item #
943958131

© 2019 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.