HIRSCHMANN
A **BELDEN** BRAND

SPIDER Series Unmanaged DIN Rail Mount Switches

Entry-level Industrial Unmanaged Switches

The SPIDER family of switches provides users with an economical, yet highly reliable hardened Ethernet switch. Models are available with Gigabit and PoE ports.

All copper/RJ45 ports are auto-negotiating and auto-crossing – the SPIDERS will work with either patch or cross-over cables. The 100 Mbit/s fiber ports are available in multimode (MM) and singlemode (SM) with either SC or ST sockets (Gigabit fiber is via SFPs, see page 61). All SPIDER switches are extremely compact and have LED indicators that provide information on power status, link status, and data rate.

Technical Information

Product Description						
Type	SPIDER Series xTX-x	SPIDER Series 1TX/1FX-x	SPIDER Series 4TX/1FX-x	SPIDER Series 8TX-x	SPIDER Series 5TX-Giga	SPIDER Series 8TX-PoE
Switching/Routing	Unmanaged					
Available Ports	3, 5	2	5	8 – 10	5, 7	8
Construction						
Mounting	DIN Rail					
Protection Class	IP30					
Dimensions (W x H x D)	25 x 114 (126 for ST fiber models) x 79 mm			35 x 154 (168 for ST fiber models) x 121 mm		
Weight	113 g	105 g	120 g	less than 270 g		560 g
Ambient Conditions						
Operating Temperature	0 °C to +60 °C, -40 °C to +70 °C for EEC models					-10°C to +60°C
Storage/Transport Temperature	-40°C to +70°C, -40°C to +85°C for EEC models					-20°C to +70°C
Relative Humidity (non-condensing)	0% to 95%					
Conformal Coating	n/a					
Interfaces						
V.24 Interface	n/a					
USB Interface	n/a					
Power Requirements						
Operating Voltage	9.6 to 32 V DC					
PoE (802.3af) Ports Supported	Yes (Powered Device)		Yes (Powered Device)		n/a	Yes
PoE Plus (802.3at) Ports Supported	n/a					
Regulatory Approvals						
Safety of Industrial Control Equipment	cUL508					
Hazardous Locations	n/a					
Germanischer Lloyd	n/a					
Transportation	n/a					
Railway (track)	n/a					
Substation	n/a					
Reliability						
MTBF Range	239 to 360 years	138 to 265 years	129 to 194 years	88 to 185 years	114.3 years	–
Warranty	5 years standard					

NOTE: These are the prominent technical specifications. For complete technical specifications visit: www.hirschmann.com

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All Copper/RJ45		
Part No.	**Order No.**	**Ports**
SPIDER 3TX-TAP	943 899-001	3 x RJ45
SPIDER 5TX	943 824-002	5 x RJ45
SPIDER 5TX EEC	943 824-102	5 x RJ45
SPIDER II 8TX	943 957-001	8 x RJ45
SPIDER II 8TX EEC	943 958-001	8 x RJ45
SPIDER II 8TX POE	942 008-001	8 x RJ45 and 4 X PoE, with metal housing and 24 V DC input

All Copper/RJ45 and FIBER		
Part No.	**Order No.**	**Ports**
SPIDER 1TX/1FX	943 890-001	1 x RJ45 and 1 x MM, SC
SPIDER 1TX/1FX EEC	943 927-101	1 x RJ45 and 1 x MM, SC
SPIDER 1TX/1FX-SM	943 891-001	1 x RJ45 and 1 x MM, SC
SPIDER 1TX/1FX SM EEC	943 928-001	1 x RJ45 and 1 x SM, SC
SPIDER 4TX/1FX	943 221-001	4 x RJ45 and 1 x MM, SC
SPIDER 4TX/1FX EEC	943 221-101	4 x RJ45 and 1 x MM, SC
SPIDER 4TX/1FX-ST EEC	943 914-001	4 x RJ45 and 1 x MM, ST
SPIDER 4TX/1FX SM EEC	943 880-001	4 x RJ45 and 1 x SM, SC
SPIDER II 8TX/1FX EEC	943 958-111	8 x RJ45 and 1 x MM, SC
SPIDER II 8TX/1FX-ST EEC	943 958-121	8 x RJ45 and 1 x MM, ST
SPIDER II 8TX/2FX EEC	943 958-211	8 x RJ45 and 2 x MM, SC
SPIDER II 8TX/2FX-ST EEC	943 958-221	8 x RJ45 and 2 x MM, ST
SPIDER II 8TX/1FX-SM EEC	943 958-131	8 x RJ45 and 1 x SM, SC
SPIDER II 8TX/2FX-SM EEC	943 958-231	8 x RJ45 and 2 x SM, SC

FAST Ethernet Switches via PoE		
Part No.	**Order No.**	**Ports**
SPIDER 5TX PD EEC	942 051-001	5 x 10/100BaseTX Ports, one of which is 1 x PoE PD integrated port
SPIDER 1TX/1FX-MM PD EEC	942 051-002	1 x 10/100BaseTX PoE PD Port and 1 x 100BaseFX multimode SC
SPIDER 1TX/1FX-SM PD EEC	942 051-003	1 x 10/100BaseTX PoE PD Port and 1 x 100BaseFX singlemode SC

FULL GIGABIT		
Part No.	**Order No.**	**Ports**
SPIDER II Giga 5T EEC	943 962-002	5 x RJ45 (10/100/1000)
SPIDER II Giga 5T/2S EEC	943 963-002	5 x RJ45 (10/100/1000) and 2 x SFP Socket (1000)
SPIDER II Giga 5T EEC Pro	943 962-102	5 x RJ45 (10/100/1000), QoS support IEEE 802.1D
SPIDER II Giga 5T/2S EEC Pro	943 963-102	5 x RJ45 (10/100/1000) and 2 x SFP Socket (1000), QoS support IEEE802.1D
SPIDER II Giga 5T EEC Jumbo	943 962-202	5 x RJ45 (10/100/1000), Jumbo Frame support with up to 9014 Byte user data
SPIDER II Giga 5T/2S EEC Jumbo	943 963-202	5 x RJ45 (10/100/1000) and 2 x SFP Socket (1000), Jumbo Frame support with up to 9014 Byte user data

NOTE: EEC stands for extended environmental conditions (-40°C to +70°C).