HIRSCHMANN
A **BELDEN** BRAND

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Hirschmann SPIDER III Standard Line Switches

The SPIDER III Standard Line switches utilize the latest Hirschmann technology to create a cost-effective way to take advantage of the Ethernet.

The SPIDER III Standard Line unmanaged, entry-level, industrial Ethernet rail switches can transmit large volumes of data, resulting in uninterrupted and smooth communication. This next generation of switches offers increased performance and a simple way to network devices in a line or star topology.

- **Maximum flexibility –** up to eight Fast Ethernet or Gigabit Ethernet ports and two ports can be fiber optic

- **Future proof –** designed for Gigabit speed, making it possible to transmit high volumes of data quickly

- **Compact design –** saves space in tight areas, such as cabinets

The SPIDER III Standard Line entry-level industrial Ethernet switches employ a plug-and-play principle that allows for easy installation without compromising quality or reliability. Users can connect multiple devices without the need for a complex configuration process. Due to the increasing amount of Ethernet-based field devices like sensors and actuators, there is a need for industrial Ethernet switches like SPIDER III Standard Line with a higher port count and data rates at the field level.

Applications

The SPIDER III Standard Line switches are suitable for both harsh environments and applications in which switch management is not necessary, making them the ideal choice for the manufacturing, machine building, solar power and traffic control system industries.

Your Benefits

SPIDER III Standard Line unmanaged switches provide a low-cost entry into industrial Ethernet technology. The devices are future-proof due to Gigabit speed, providing the ability to transmit large volumes of data quickly without disruptions. These switches take advantage of the latest technology from Hirschmann, resulting in increased performance while reducing costs. All switches have been specially designed for use in harsh environments and come with all the necessary certifications.

A new product to serve your needs.
Be certain.

SPIDER III Standard Line Switches from Hirschmann

The unmanaged entry-level industrial Ethernet rail switches have up to eight Fast Ethernet or Gigabit Ethernet ports. Two of the eight ports can be fiber optic. Due to the increasing amount of Ethernet-based field devices, there is a need for switches with a higher port count and data rates. Their smaller size makes installation simple and fast and a complex configuration is also not necessary.

Benefits at a Glance

- High mean time between failures (MTBF) guarantees reliable operation
- Low power consumption allows for the reduction of overall lifecycle costs
- Diagnosis through LEDs which indicate status of the power supply and port status
- Different port counts, media types (copper and fiber), and socket type (RJ45, DSC connector, ST connector, SFP) are available
- Full, future-proof Gigabit switches for applications with high data volumes
- 12/24 V DC power input
- Operating temperature range from 0 ˚C to +60 ˚C

The SPIDER III Standard Line switches are ideal for industries that need to transmit large volumes of data at high speed.
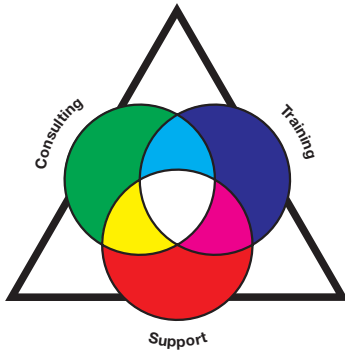
Technical Information

Product Description	
Type	SPIDER-SL-40-08T1999999SZ9HHHH
Description	Unmanaged Industrial ETHERNET Rail Switch, store and forward switching mode, 10/100/1000 Mbit/s Ethernet
Port Type and Quantity	8 x 10/100/1000BASE-T, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity
Order No.	942 132-004
More Interfaces	
Power Supply/Signaling Contact	1 plug-in terminal block, 3-pin
USB Interface	n.a.
Network Size – Length of Cable	
Twisted Pair (TP)	0 to 100 m
Network Size – Cascadibility	
Line-/Star Topology	Any
Power Requirements	
Operating Voltage	9.6 V DC to 32 V DC
Current Consumption at 24 V DC	Max. 200 mA
Power Consumption	Max. 4.8 W, 16.3 Btu (IT)/h
Service	
Diagnostics	LEDs (power, link status, data)
Redundancy	
Redundancy Functions	n.a.
Ambient Conditions	
Operation Temperature	0 ºC to +60 ºC
Storage/Transport Temperature	-40 ºC to +70 ºC
Relative Humidity (non-condensing)	10% to 95%
Protective Paint on PCB	n.a.
Mechanical Construction	
Dimensions (W x H x D)	38 x 102 x 79 mm (w/o terminal block)
Mounting	DIN Rail 35 mm
Weight	170 g
Protection Class	IP30
Mechanical Stability	
IEC 60068-2-27 Shock	15 g, 11 ms duration, 18 shocks
IEC 60068-2-6 Vibration	3.5 mm, 5 to 8.4 Hz, 10 cycles, 1 octave/min. 1 g, 8.4 to 150 Hz, 10 cycles, 1 octave/min.
EMC Interference Immunity	
EN 61000-4-2 Electrostatic Discharge (ESD)	4 kV contact discharge, 8 kV air discharge
EN 61000-4-3 Electromagnetic Field	10 V/m (80 to 1000 MHz)
EN 61000-4-4 Fast Transients (burst)	2 kV power line, 1 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 to 80 MHz)
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 61010-1/61010-2-201
Scope of Delivery and Accessories	
Scope of Delivery	Device, terminal block, safety instruction
Accessories to Order Separately	Rail power supply RPS 15, RPS 30, RPS 80 EEC or RPS 120 EEC

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

Belden Competence Center

As the complexity of communication and connectivity solutions has increased, so have the requirements for design, implementation and maintenance of these solutions. For users, acquiring and verifying the latest expert knowledge play a decisive role in this. As a reliable partner for end-to-end solutions, Belden offers expert consulting, design, technical support, as well as technology and product training courses, from a single source: Belden Competence Center. In addition, we offer you the right qualification for every area of expertise through the world's first certification program for industrial networks. Up-to-date manufacturer's expertise, an international service network and access to external specialists guarantee you the best possible support for products from Belden, GarrettCom, Hirschmann, Lumberg Automation and Tofino Security.

Irrespective of the technology you use, you can rely on our full support – from implementation to optimization of every aspect of daily operations.

Always Stay Ahead with Belden

In a highly competitive environment, it is crucial to have reliable partners who are able to add value to your business. When it comes to signal transmissions, Belden is the number one solutions provider. We understand your business and want to know your specific challenges and targets to see how effective signal transmission solutions can push you ahead of the competition. By combining the strengths of our five leading brands, Belden, GarrettCom, Hirschmann, Lumberg Automation and Tofino Security, we are able to offer the solution you need. Today it may be a single cable, a switch or a connector, thus solving a specific issue; tomorrow it can be a complex range of integrated applications, systems and solutions.

About Belden

Belden Inc., a global leader in high quality, end-to-end signal transmission solutions, delivers a comprehensive product portfolio designed to meet the mission-critical network infrastructure needs of industrial, enterprise and broadcast markets. With innovative solutions targeted at reliable and secure transmission of rapidly growing amounts of data, audio and video needed for today's applications, Belden is at the center of the global transformation to a connected world. Founded in 1902, the company is headquartered in St. Louis, USA, and has manufacturing capabilities in North and South America, Europe and Asia.

For more information, visit us at **www.beldensolutions.com** and follow us on Twitter **@BeldenInc.**