







HIRSCHMANN

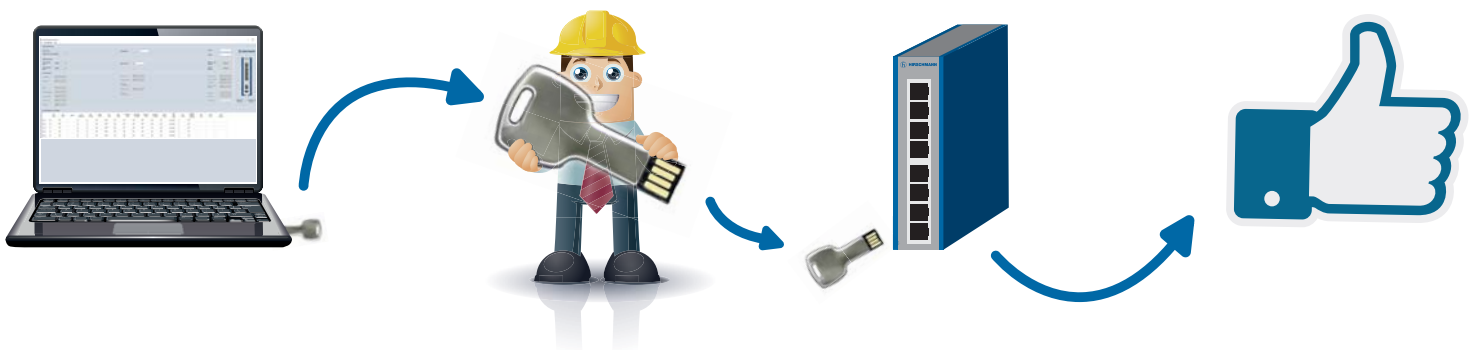
A BELDEN BRAND



Hirschmann: Spider III Premium Line

Premium Line Smart Configurable Switches

- Gestione delle priorità QoS  
- Porte configurabili x jumbo frames
- Velocità e duplex delle porte configurabile
- Porte non connesse disabilitabili
- Segnalazione interruzione della comunicazione per singola porta
- Soglie di traffico impostabili x singola porta
- Protezione su traffico multicast e broadcast
- Ampia gamma fast e giga ethernet fino a 24 porte
- Versioni con porte  e 
- Configurazioni miste rame con fibra ottica multi e single mode
- Approvals cUL Atex, German Loyd, IEC 61850
- Alimentazione ridondata, case in alluminio e montaggio barra din
- Usb stick per caricare o leggere la configurazione (smart configuration)



direl
SENDING NEW SIGNALS



Premium Line Smart Configurable Switches

Technical Information

Product Description	
Type	SPIDER III Premium Line Switches
Description	Unmanaged, Industrial ETHERNET Rail Switch, fanless design, store and forward switching mode
Port Type and Quantity	Up to 8 x FE or GE TX ports, 3 FE FX ports, 1 GE FX port
Interfaces	
Power Supply/Signaling Contact	1 x plug-in terminal block, 6-pin
USB Interface	1 x USB for configuration
Power Requirements	
Operating Voltage	12/24/48 V DC (9.6 to 32 V DC), 24 V AC, redundant
Current Consumption at 24 V DC	Max. 350 mA depending on the variant
Power Consumption	2.4 to 9.0 W depending on the variant
Service	
Diagnostics	LEDs (power, link status, data), alarm contact
Configurable Parameters	Global settings: power supply unit alarm, aging time, QoS 802.1p mapping, QoS DSCP mapping Port settings: flow control, port admin state, broadcast storm protection/threshold, multicast storm protection/threshold, QoS Trust Mode, port based priority, link alarm TX port settings: auto-negotiation, speed, duplex mode, auto-crossing, MDI state, energy efficient ethernet FX port settings: duplex mode
Ambient Conditions	
Operation Temperature	-40 °C to +70 °C
Storage/Transport Temperature	-40 °C to +85 °C
Relative Humidity (non-condensing)	10% to 95%
Protective Paint on PCB	Conformal coating
Mechanical Construction	
Dimensions (W x H x D)	39/49/56 x 135 x 117 mm (w/o terminal block) depending on the variant
Mounting	DIN Rail
Weight	400 g to 510 g depending on the variant
Protection Class	IP40
Mechanical Stability	
IEC 60068-2-27 Shock	15 g, 11 ms duration, 18 shocks
IEC 60068-2-6 Vibration	3.5 mm, 5 Hz to 8.4 Hz, 10 cycles, 1 octave/min. 1g, 8.4 Hz 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, 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 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 (pending)
Hazardous Locations	ISA 12.12.01 Class 1 Div. 2, ATEX Class 2 (pending)
Ship	Germanischer Lloyd, DNV (pending)
Railway	EN50121-4 (pending)
Road Vehicles	E1 (pending)

SPIDER III Premium Line Switch

Tabella costruzione codici

S P I D E R - P L - 2 0 - 0 8 T 1 9 9 9 9 T Z 9 H H H H

Design

SPIDER PL-20 = Premium Line Fast Ethernet Ports
 SPIDER PL-40 = Premium Line Gigabit Ethernet Ports

Number of Copper Ports

01T1 = 1 x Twisted-Pair, RJ45
 04T1 = 4 x Twisted-Pair, RJ45
 05T1 = 5 x Twisted-Pair, RJ45
 06T1 = 6 x Twisted-Pair, RJ45
 07T1 = 7 x Twisted-Pair, RJ45
08T1 = 8 x Twisted-Pair, RJ45

Type 1 Fiber Port

O6 = SFP Slot (100/1000 Mbit/s)
 Z6 = SFP Slot (100 Mbit/s)
 S2 = Singlemode, SC (100 Mbit/s)
 M2 = Multimode, SC (100 Mbit/s)
 M4 = Multimode, ST (100 Mbit/s)
99 = Empty

Type 2 Fiber Port

O6 = SFP Slot (100/1000 Mbit/s)
 Z6 = SFP Slot (100 Mbit/s)
 S2 = Singlemode, SC (100 Mbit/s)
 M2 = Multimode, SC (100 Mbit/s)
99 = Empty

Type 3 Fiber Port

Z6 = SFP Slot (100 Mbit/s)
99 = Empty

Temperature Range

T = -40 °C to +70 °C
 E = -40 °C to +70 °C inclusive Conformal Coating

Approvals

Z9 = CE, FCC, EN 61131, EN 60950
 Y9 = CE, FCC, EN 61131, EN 60950, cUL61010
 WV = CE, FCC, EN 61131, EN 60950, cUL61010, ISA1212, ATEX, GL, EN 50121-4, E1
 WW = CE, FCC, EN 61131, EN 60950, cUL61010, ISA1212, ATEX, GL, EN 50121-4, E1, IEC 61850, IEEE 1613

Customization

HK = Plug-in Terminal Block
HH = Standard

Configuration

HV = Extended Voltage Range: 12/24/48 V DC, 24 V AC
HH = Standard Voltage Range: 12/24 V DC

Hirschmann: Spider III Premium Line

Premium Line Smart Configurable Switches



FAST
ethernet



5 Porte Rj 45
SPIDER PL 20-05T1



8 Porte Rj 45
SPIDER PL 20-08T1



4 Porte Rj 45 + 1 FO
SPIDER PL 20-04T1.M2
1 x SC Multi Mode 50/125

GIGA
ethernet



5 Porte Rj 45
SPIDER PL 40-05T1



8 Porte Rj 45
SPIDER PL 40-08T1



4 Porte Rj 45 + 1 FO Slot
SPIDER PL 40-04T1.06
1 x SFP Slot

