HIRSCHMANN
A BELDEN BRAND

Product: SPR20-7TX/2FS-EEC

Configurator: SPR20-7TX/2FS-EEC

Configurator Description

Reliably transmit large amounts of data across any distance with the SPIDER III family of industrial Ethernet switches. These unmanaged switches have plug-and-play capabilities to allow for quick installation and startup - without any tools - to maximize uptime.

Technical Specifications

Product description

Description	Unmanaged, Industrial ETHERNET Rail Switch, fanless design, store and forward switching mode, USB interface for configuration , Fast Ethernet
Port type and quantity	7 x 10/100BASE-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity , 2 x 100BASE-FX, SM cable, SC sockets

More Interfaces

Power supply/signaling contact	1 x plug-in terminal block, 6-pin
USB interface	1 x USB for configuration

Network size - length of cable

Twisted pair (TP)	0 - 100 m
Single mode fiber (SM) 9/125 µm	0 - 30 km (Link Budget at 1300 nm = 0 - 16 db; A = 0.4 dB/km; BLP = 3.5 ps/(nm*km))

Network size - cascadibility

Line - / star topology	any

Power requirements

Current consumption at 24 V DC	Max. 280 mA
Operating Voltage	12/24 V DC (9.6 - 32 V DC), redundant
Power consumption	Max. 6.9 W
Power output in BTU (IT)/h	23.7

Diagnostics features

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

Software

Switching	Ingress Storm Protection Jumbo Frames QoS / Port Prioritization (802.1D/p)

Ambient conditions

MTBF	852.056 h (Telcordia) 731.432 h (Telcordia)
Operating temperature	-40-+65 °C
Storage/transport temperature	-40-+85 °C
Relative humidity (non-condensing)	10 - 95 %

Mechanical construction

Dimensions (WxHxD)	56 x 135 x 117 mm (w/o terminal block)
Weight	510 g
Mounting	DIN rail
Protection class	IP40 metal housing

Mechanical stability

IEC 60068-2-6 vibration	3.5 mm, 5–8.4 Hz, 10 cycles, 1 octave/min 1 g, 8.4–150 Hz, 10 cycles, 1 octave/min
IEC 60068-2-27 shock	15 g, 11 ms duration, 18 shocks

EMC emitted immunity

EN 55022	EN 55032 Class A
FCC CFR47 Part 15	FCC 47CFR Part 15, Class A

Approvals

Basis Standard	CE, FCC, EN61131
Safety of industrial control equipment	cUL 61010-1/61010-2-201

Reliability

Guarantee	60 months (please refer to the terms of guarantee for detailed information)

Scope of delivery and accessories

Accessories	Rail Power Supply RPS 30/80 EEC/120 EEC (CC), Wall mounting plate for DIN rail mounting (width 40/70 mm)
Scope of delivery	Device, terminal block, safety instruction

Further Instructions

Product Documentation	https://www.doc.hirschmann.com/index.html
Certificates	https://www.doc.hirschmann.com/certificates.html

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Hirschmann:

SPIDER-PL-20-07T1S2S299TY9HHHH