



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

Mounting

Protection class

DIN rail

IP40 metal housing

| DecipionUnmaged, industrial ETHERNET Rail Switch, fances design, store and norward switching mode, USB interfacesProfer and quardy7 1010BASE-TX, TP cable, R445 sockets, auto-crossing, auto-negotation, auto-polarity, 2 x 100BASE-TX, SMI cable, ScienceWorder and Profer1 sub-interfacesProven supplying and comparison1 sub-interfacesNetwordszo-Long Comparison0 sub-interfacesNetwo | Toduct description | |
|---|------------------------------------|---|
| Alore Interfaces Power supplyisignaling contact 1 x bugs in terminal block, 6-pin USB Interface 1 x USB for configuration Network size - length of cable 1 x USB for configuration Twisted pair (TP) 0 - 100 m Single mode fiber (SN) 91725 µm 0 - 30 km (Link Budget at 1300 nm = 0 - 16 db; A = 0.4 dBAm; BLP = 3.5 ps/(nm*m)) Network size - cascadibility 0 - 30 km (Link Budget at 1300 nm = 0 - 16 db; A = 0.4 dBAm; BLP = 3.5 ps/(nm*m)) Network size - cascadibility 1 x USB for configuration Network size - cascadibility 1 x USB for configuration Operating Voltage any Operating Voltage 12/24 V DC (0 6 - 32 V DC); redundant Power consumption at 24 V DC Max. 280 mA Operating Voltage 12/24 V DC (0 6 - 32 V DC); redundant Power consumption Max. 6 3 W Power consumption Max. 6 3 W Power consumption Max. 6 3 W Diagnostic functions LEDs (power, link status, data, data mato) Softwaree Immediate, data mato) Software Sol (Poerding 1731.432 h (Teicordia) 731.432 h (Teicordia) Operating temperature -40-45 °C | Description | Unmanaged, Industrial ETHERNET Rail Switch, fanless design, store and forward switching mode, USB interface for configuration, Fast Etherne |
| Power supplysignaling contad 1 x plug-in terminal block, 6-pin USB Interface 1 x USB for configuration Idework size - length of cal | 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 |
| USB interface 1 x USB for configuration Letwork size - length of cable 0 - 100 m Twisted pair (TP) 0 - 100 m 0 - 30 km (Link Budget at 1300 nm = 0 - 16 db; A = 0.4 dB/km; BLP = 3.5 pa(nm*km)) Note that the second sec | Nore Interfaces | |
| Vetwork size - length of cable Twisted pair (TF) 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; BL P = 3.5 pa/(nm*km)) Vetwork size - cascadibility Ime - 1 data topology any Vetwork size - cascadibility Ime - 1 data topology any Current consumption at 24 V DC Max. 280 mA Max. 280 mA Operating Voltage 12/24 V DC (9.6 - 32 V DC); redundant Max. 6.9 W Power output in BTU (TT)/n 23.7 Any Diagnostic functions LEDs (power, link status, data, data rate) Max. 6.9 W Software Ime - 1 data topology Ime - 1 data topology Ime - 1 data trate) Software Impressions (Not Hong) Ingress Storm Protection Jumbo Frames QoS / Port Prioritization (802: 1D/p) Max. 6.9 W MTBF 85.056 h (Telcordia) 731.432 h (Telcordia) Operating temperature 40-465 °C Storage/transport temperature 40-465 °C Storage/transport temperature 40-465 °C Relative humidity (non-condensing) 10 - 95 % 10 - 95 % Storage/transport temperature 40-465 °C Miterian Struction Storage | Power supply/signaling contact | 1 x plug-in terminal block, 6-pin |
| 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 any Power requirements any Ouerating Voltage Max. 280 mA Operating Voltage 12/24 V DC (9.6 - 32 V DC), redundant Power onsumption at 24 V DC Max. 6.9 W Power onsumption Max. 6.9 W Power output in BTU (T)/h 23.7 Diagnostic functions LEDs (power, link status, data data rate) Software LEDs (power, link status, data, data rate) Software Sole (Telcordia) 731.432 h (Telcordia) Operating temperature 40-465 °C Storage Itemperature 40-465 °C Storage Itemperature 40-465 °C Relative humidity (non-condensing) 10 -95 % Wechanical construction 10 -95 % | USB interface | 1 x USB for configuration |
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| Vetwork size - cascadibility Line - / star topology ary Power requirements Image: Comparis (Comparis (Compa | Twisted pair (TP) | 0 - 100 m |
| Line - / star topology any Power requirements Amx. 280 mA 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 (TT)/h 23.7 Diagnostics features EDS (power, link status, data, data rate) Software LEDs (power, link status, data, data rate) Software Software Stricting Ingress Storm Protection Jumbo Frames QoS / Port Prioritization (802.1D/p) Ambient conditions 852.056 h (Telcordia) 731.432 h (Telcordia) Operating temperature -40-465 °C Storage/transport temperature 40-465 °C Vechanical construction 56 % 32.55 h (Telcordia) 731.432 h (Telcordia) | 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)) |
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| Power output in BTU (ITy)h 23.7 Diagnostics features EDs (power, link status, data, data rate) Diagnostic functions LEDs (power, link status, data, data rate) Software Ingress Storm Protection Jumbo Frames QoS / Port Prioritization (802.1D/p) Ambient conditions Ingress Storm Protection Jumbo Frames QoS / Port Prioritization (802.1D/p) MTBF 852.056 h (Telcordia) 731.432 h (Telcordia) Operating temperature 40-465 °C Storage/transport temperature 40-465 °C Intersection 10-95 % Acchanical construction 56 x 135 x 117 mm (w/o terminal block) | Operating Voltage | 12/24 V DC (9.6 - 32 V DC), redundant |
| Diagnostics features Diagnostic functions LEDs (power, link status, data, data rate) Software Ingress Storm Protection Jumbo Frames QoS / Port Prioritization (802.1D/p) Ambient conditions Ingress Storm Protection Jumbo Frames QoS / Port Prioritization (802.1D/p) MTBF 852.056 h (Telcordia) 731.432 h (Telcordia) Operating temperature 40-465 °C Storage/transport temperature 40-455 °C Relative humidity (non-condensing) 10 - 95 % Mtechanical construction 56 x 135 x 117 mm (w/o terminal block) | Power consumption | Max. 6.9 W |
| Diagnostic functions LEDs (power, link status, data, rate) Software Improve Status Switching Ingress Storm Protection Jumbo Frames QoS / Port Prioritization (802.1D/p) Ambient conditions Improve Storm Protection Jumbo Frames QoS / Port Prioritization (802.1D/p) MTBF 852.056 h (Telcordia) 731.432 h (Telcordia) Operating temperature 40-465 °C Storage/transport temperature 40-485 °C Relative humidity (non-condensing) 10 - 95 % Mtechanical construction 56 x 135 x 117 mm (w/o terminal block) | Power output in BTU (IT)/h | 23.7 |
| Software Ingress Storm Protection Jumbo Frames QoS / Port Prioritization (802.1D/p) Ambient conditions Sec.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 56 x 135 x 117 mm (w/o terminal block) | Diagnostics features | |
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| Storage/transport temperature -40-+85 °C Relative humidity (non-condensing) 10 - 95 % Acchanical construction Joint Struction Dimensions (WxHxD) 56 x 135 x 117 mm (w/o terminal block) | MTBF | 852.056 h (Telcordia) 731.432 h (Telcordia) |
| Relative humidity (non-condensing) 10 - 95 % Aechanical construction Dimensions (WxHxD) 56 x 135 x 117 mm (w/o terminal block) | Operating temperature | -40-+65 °C |
| Mechanical construction Dimensions (WxHxD) 56 x 135 x 117 mm (w/o terminal block) | Storage/transport temperature | -40-+85 °C |
| Dimensions (WxHxD) 56 x 135 x 117 mm (w/o terminal block) | Relative humidity (non-condensing) | 10 - 95 % |
| | Mechanical construction | |
| Weight 510 g | Dimensions (WxHxD) | 56 x 135 x 117 mm (w/o terminal block) |
| | Weight | 510 g |

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

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 |
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| Certificates | https://www.doc.hirschmann.com/certificates.html |

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