



RS2-5TX/FX

Industrial Networking:Industrial Ethernet:Rail Family:Unmanaged Rail-Switches

| Product description | |
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| Description | Unmanaged Industrial ETHERNET Rail-Switch, store and forward switching mode, Ethernet (10 Mbit/s) and Fast-Ethernet (100 Mbit/s) |
| Port type and quantity | 4 x 10/100BASE-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity, 1 x 100BASE-FX, MM cable, MTRJ socket |
| Type | RS2-5TX/FX |
| Order No. | 943 732-102 |
| More Interfaces | |
| Power supply/signaling contact | 1 plug-in terminal block, 5-pin / no signal contact |
| Network size - length of cable | |
| Twisted pair (TP) | 0 - 100 m |
| Multimode fiber (MM) 50/125 µm | 0 - 5000 m, 8 dB link budget at 1300 nm, A = 1 dB/km, 3 dB reserve, B = 800 MHz x km |
| Multimode fiber (MM) 62.5/125 µm | 0 - 4000 m, 11 dB link budget at 1300 nm, A = 1 dB/km, 3 dB reserve, B = 500 MHz x km |
| Network size - cascading | |
| Line - / star topology | any |
| Power requirements | |
| Operating voltage | 24 V DC (-25% to +30%) |
| Current consumption at 24 V DC | max. 180 mA |
| Service | |
| Diagnostics | LEDs (power, link status, data, error) |
| Redundancy | |
| Redundancy functions | redundant 24 V power supply |
| Ambient conditions | |
| Operating temperature | 0 °C to +60 °C |
| Storage/transport temperature | -25 °C to +70 °C |
| Relative humidity (non-condensing) | 10% to 95% |
| MTBF | 74,4 years; MIL-HDBK 217F: Gb 25 °C |
| Mechanical construction | |
| Dimensions (W x H x D) | 40 mm x 145 mm x 80 mm |
| Mounting | DIN Rail 35 mm |
| Weight | 520 g |
| Protection class | IP 20 |
| Mechanical stability | |
| IEC 60068-2-27 shock | 15 g, 11 ms duration, 18 shocks |
| IEC 60068-2-6 vibration | 3.5 mm, 3 Hz - 9 Hz, 10 cycles, 1 octave/min.; 1g, 9 Hz - 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 |
| EN 61000-4-4 fast transients (burst) | 2 kV power line, 1 kV data line |
| EN 61000-4-5 surge voltage | power line: 1 kV (line/earth), 0.5 kV (line/line), 1 kV data line |

EN 61000-4-6 conducted immunity 10 V (150 kHz - 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 508 (E175531)

Hazardous locations cUL 1604 Class 1 Div 2 (E203960)

Safety of information technology equipment cUL 60950 (E168643)

Scope of delivery and accessories

Scope of delivery device, terminal block, operating manual

Accessories to order separately rail power supply RPS 30, RPS 80 EEC or RPS 120 EEC, 19" installation frame