



RS20-1600S2T1SDAU

Industrial Networking:Industrial Ethernet:OpenRail System:Compact:Unmanaged Switches

| Product description | |
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| Description | ETHERNET/Fast ETHERNET switch according to IEEE 802.3, compact unmanaged industrial switch for DIN rail, store and forward switching,fanless design |
| Port type and quantity | Fast Ethernet ports in total: 16; amount standard 10/100BASE TX, RJ45: 14; Gigabit Ethernet ports: 0; 1. Uplink port: 100BASE-FX, SM-SC; 2. Uplink port: 10/100BASE-TX, RJ45 |
| Type | RS20-1600S2T1SDAU |
| Order No. | 943 434-051 |
| More Interfaces | |
| Power supply/signaling contact | 1 x plug-in terminal block, 6-pin |
| Network size - length of cable | |
| Twisted pair (TP) | 0 - 100m |
| Single mode fiber (SM)9/125 µm | 0 - 32,5 km, 16 dB link budget at 1300 nm, A = 0,4 dB/km, 3 dB reserve, D = 3,5 ps/(nm x km) |
| Network size - cascading | |
| Line - / star topology | Any |
| Power requirements | |
| Operating voltage | 12/24/48 V DC (9,6-60) V and 24 V AC (18-30) V |
| Current consumption at 24 V DC | 442 mA |
| Current consumption at 48 V DC | 221 mA |
| Power output in Btu (IT) h | 36.2 |
| Software | |
| Diagnostics | LEDs (power, link status, data, error), signal contact |
| Redundancy functions | redundant 24 V power supply |
| Ambient conditions | |
| Operating temperature | 0° to +60°C |
| Storage/transport temperature | -40° to +70°C |
| Relative humidity (non-condensing) | 10% to 95% |
| MTBF | 34.46 years |
| Mechanical construction | |
| Dimensions (W x H x D) | 110 x 131 x 111 |
| Mounting | DIN Rail |
| Weight | 600 g |
| Protection class | IP20 |
| Mechanical stability | |
| IEC 60068-2-27 shock | 15 g, 11 ms duration, 18 shocks |
| IEC 60068-2-6 vibration | 1 mm, 2 Hz - 13.2 Hz, 90 min.; 0.7g, 13,2 Hz - 100 Hz, 90 min.; 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 (80 - 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: 1 kV (line/earth), 0,5 kV (line/line), 1 kV data line |
| EN 61000-4-6 conducted immunity | 3 V (10 kHz - 150 kHz), 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 (pending)

Hazardous locations

cUL 1604 class1 div 2 (pending)

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