



Product information

**Compact OpenRail unmanaged Fast Ethernet switch -
RS20-1600M2M2SDAUHH**

| Name | |
|---|--|
| Compact OpenRail unmanaged Fast Ethernet switch | |
|  | |
| 16 port Fast-Ethernet-Switch, unmanaged, for DIN rail store-and-forward-switching, fanless design | |
| Delivery informations | |
| Availability | available |
| Product description | |
| Description | 16 port Fast-Ethernet-Switch, unmanaged, for DIN rail store-and-forward-switching, fanless design |
| Port type and quantity | 16 ports in total; 1. uplink: 100BASE-FX, MM-SC; 2. uplink: 100BASE-FX, MM-SC; 14 x standard 10/100 BASE TX, RJ45 |
| Type | RS20-1600M2M2SDAUHH |
| Order No. | 943 434-048 |
| More Interfaces | |
| Power supply/signaling contact | 1 x plug-in terminal block, 6-pin |
| Network size - length of cable | |
| 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 | 12/24/48 V DC (9,6-60) V and 24 V AC (18-30) V (redundant) |
| Current consumption at 24 V DC | 492 |
| Current consumption at 48 V DC | 246 |
| Power output in Btu (IT) h | 40.3 |
| Ambient conditions | |
| Operating temperature | 0 °C ... 60 °C |
| Storage/transport temperature | -40 °C ... 70 °C |
| Relative humidity (non-condensing) | 10 % ... 95 % |
| MTBF | 40.1 years (MIL-HDBK-217F) |
| Protective paint on PCB | No |
| Mechanical construction | |
| Dimensions (W x H x D) | 110 mm x 131 mm x 111 mm |
| 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) | 6 kV contact discharge, 8kV 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: 2kV (line/earth), 1kV (line/line), 1kV 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 |
| EN 55022 | EN 55022 Class A |

The information published has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price-related/commercial respect.



Approvals

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|--|-----------------------|
| Safety of industrial control equipment | cUL 508 |
| Hazardous locations | cUL 1604 Class1 Div 2 |
| Germanischer Lloyd | - |
| Railway norm | - |
| Substation | - |

Scope of delivery and accessories

| | |
|-------------------|--|
| Scope of delivery | Device, terminal block, operating manual |
|-------------------|--|

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