



Product information

Basic Switches - RSB20-0900ZZZ6SAABHH

Industrial Ethernet: Compact configurable managed switches: Basic switches (RSB): Basic Switches

<http://e-catalog.hirschmann.com/link/57078-24455-49854-84128-399555/en/RSB20-0900ZZZ6SAABHH/ui/state>

| Name | Basic Switches |
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| |  |
| | Ethernet/Fast Ethernet-Switch acc. to IEEE 802.3, compact, managed, Industrial switch for DIN Rail, Store-and-Forward-Switching, fanless design |
| Delivery informations | |
| Availability | available |
| Product description | |
| Description | Ethernet/Fast Ethernet-Switch acc. to IEEE 802.3, compact, managed, Industrial switch for DIN Rail, Store-and-Forward-Switching, fanless design |
| Port type and quantity | 9 ports in total; 1. uplink: 2 x FE SFP-Slot; 2. uplink: ...; 6 x standard 10/100 BASE TX, RJ45 |
| Type | RSB20-0900ZZZ6SAABHH |
| Order No. | 942 014-004 |
| More interfaces | |
| Power supply/signaling contact | 1 x plug-in terminal block, 6-pin |
| V.24 interface | 1 x RJ11 socket |
| Network size - length of cable | |
| Multimode fiber (MM) 50/125 µm | cf. SFP LWL module |
| Multimode fiber (MM) 62.5/125 µm | cf. SFP LWL module |
| Single mode fiber (SM) 9/125 µm | cf. SFP LWL module |
| Single mode fiber (LH) 9/125 µm (long haul transceiver) | cf. SFP LWL module |
| Network size - cascading | |
| Line - / star topology | any |
| Ring structure (HIPER-Ring) quantity switches | 50 (reconfiguration time < 0.3 sec.) |
| Power requirements | |
| Operating voltage | 24 V DC (18-32 V) |
| Current consumption at 24 V DC | 265 mA |
| Power output in Btu (IT) h | 18 |
| Software | |
| Management | Serial interface, web-interface, SNMP V1/V2, HiVision file transfer SW HTTP/TFTP |
| Diagnostics | LEDs, Log-File, signal contact, RMON (statistic, history, alarms, events), port mirroring, topology discovery 802.1AB |
| Configuration | Command Line Interface (CLI), BootP, DHCP, DHCP Option 82, HiDiscovery, auto-configurationadapter (ACA11) |
| Security | SNMP V3 (no encryption) |
| Redundancy functions | HIPER-Ring (client and server), MRP (client and server), RSTP - IEEE802.1D-2004 |
| Filter | QoS 4 classes, port prioritisation (IEEE 802.1D/p), multicast IGMP (Snooping and Querier, Fast Aging) |
| Industrial Profiles | EtherNet/IP and PROFINET compatible |
| Time synchronisation | SNTP Client and Server, IEEE 1588 client |
| Flow control | n/a |
| Presettings | Standard |
| Ambient conditions | |
| Operating temperature | 0 °C ... 60 °C |
| Storage/transport temperature | -40 °C ... 70 °C |
| Relative humidity (non-condensing) | 10 % ... 95 % |
| MTBF | n/a |
| Protective paint on PCB | No |
| Mechanical construction | |
| Dimensions (W x H x D) | 71 mm x 131 mm x 111 mm |
| Mounting | DIN Rail |
| Weight | 400 g |



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| 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.; 0.7 g, 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, 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: 2 kV (line/earth), 1 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) |
| EN 61000-4-16 mains frequency voltage | n/a |
| EMC emitted immunity | |
| FCC CFR47 Part 15 | FCC 47 CFR Part 15 Class A |
| EN 55022 | EN 55022 Class A |
| Approvals | |
| Safety of industrial control equipment | cUL 508 |
| Hazardous locations | ISA 12.12.01 Class 1 Div. 2 (pending) |
| Shipbuilding | n/a |
| Railway norm | n/a |
| Substation | n/a |
| Transportation | n/a |
| Scope of delivery and accessories | |
| Scope of delivery | Device, terminal block, operating manual |

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