



Product information Compact OpenRail Gigabit Ethernet Switch 8-24 ports - RS30-24020606SDAEHH08.0.

Industrial Ethernet: Compact configurable managed switches: with Firmware Release 8: Compact OpenRail Gigabit Ethernet Switch 8-24 ports

<http://www.e-catalog.beldensolutions.com/link/57078-24455-49854-374156-373458/en/RS30-24020606SDAEHH08.0/uistate>

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| Name | Compact OpenRail Gigabit Ethernet Switch 8-24 ports |
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| | 26 port Gigabit/Fast-Ethernet-Switch (2 x Gigabit Ethernet, 24 x Fast Ethernet), managed, software Layer 2 Enhanced, for DIN rail store-and-forward-switching, fanless design |
| Delivery informations | |
| Availability | available |
| Product description | |
| Description | 26 port Gigabit/Fast-Ethernet-Switch (2 x Gigabit Ethernet, 24 x Fast Ethernet), managed, software Layer 2 Enhanced, for DIN rail store-and-forward-switching, fanless design |
| Port type and quantity | 26 Ports in total, 2 Gigabit Ethernet ports; 1. uplink: Gigabit SFP-Slot; 2. uplink: Gigabit SFP-Slot; 24 x standard 10/100 BASE TX, RJ45 |
| Type | RS30-24020606SDAEHH08.0. |
| Order No. | 943 434-039 |
| More Interfaces | |
| Power supply/signaling contact | 1 x plug-in terminal block, 6-pin |
| V.24 interface | 1 x RJ11 socket |
| USB interface | 1 x USB to connect the AutoConfiguration Adapter ACA21-USB |
| Network size - length of cable | |
| Multimode fiber (MM) 50/125 µm | cf. SFP LWL module M-SFP-SX/LC and M-SFP-LX/LC |
| Multimode fiber (MM) 62.5/125 µm | cf. SFP LWL module M-SFP-SX/LC and M-SFP-LX/LC |
| Single mode fiber (SM) 9/125 µm | cf. SFP LWL module M-SFP-LX/LC |
| Single mode fiber (LH) 9/125 µm (long haul transceiver) | cf. SFP LWL module M-SFP-LH/LC und M-SFP-LH+/LC |
| Network size - cascading | |
| Line - / star topology | any |
| Ring structure (HIPER-Ring) quantity switches | 50 (reconfiguration time < 0.3 sec.) |
| 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 | 628 mA |
| Current consumption at 48 V DC | 313 mA |
| Power output in Btu (IT) h | 51.6 |
| Software | |
| Management | Serial interface, web interface, SNMP V1/V2, HiVision file transfer SW HTTP/TFTP |
| Diagnostics | LEDs, log-file, relay contact, RMON, port mirroring 1:1, topology discovery 802.1AB, address conflict detection, network error detection, SFP diagnostic [temperature, optical input and output power (µW and dBm)], Trap for configuration saving and changing, duplex mismatch detection, disable learning. |
| Configuration | Command line interface (CLI), TELNET, BootP, DHCP, DHCP option 82, HiDiscovery, easy device exchange with auto-configuration adapter ACA21-USB (automatic software and/or configuration upload), automatic invalid configuration undo, configuration signature (water marking) |
| Security | Port Security (IP und MAC) with multiple addresses, SNMP V3 (no encryption) |
| Redundancy functions | HIPER-ring (ring structure), MRP (IEC-ring functionality), RSTP 802.1D-2004, redundant network/ring coupling, MRP and RSTP in parallel, redundant 24 V power supply |
| Filter | QoS 4 classes, port prioritisation (IEEE 802.1D/p), VLAN (IEEE 802.1Q), shared VLAN learning, multicast (IGMP Snooping/Querier), multicast detection unknown multicast, broadcast limiter, fast aging |
| Industrial Profiles | EtherNet/IP and PROFINET (2.2 PDEV, GSDML stand-alone generator, automatic device exchange) profiles included, configuration and diagnostic via automation software tools like e.g. STEP7, or Control Logix |
| Time synchronisation | SNTP client/server, PTP / IEEE 1588 |
| Flow control | Flow control 802.3x, port priority 802.1D/p, priority (TOS/DIFFSERV) |



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|---|---|
| Presettings | Standard |
| Ambient conditions | |
| Operating temperature | 0 °C ... 60 °C |
| Storage/transport temperature | -40 °C ... 70 °C |
| Relative humidity (non-condensing) | 10 % ... 95 % |
| MTBF | 33.5 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.; 0.7 g, 13.2 Hz-100 Hz, 90 min.; 3.5 mm, 3 Hz-9 Hz, 10 cycles, 1 octave/min.; 1 g, 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) |
| 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 |
| Shipbuilding | n/a |
| Railway norm | n/a |
| Substation | n/a |
| Scope of delivery and accessories | |
| Scope of delivery | Device, terminal block, operating manual |

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