


Product information

Modular OpenRail Gigabit Ethernet switch 8-24 ports - MS30-0802SAAEH07.0.

| Industrial Ethernet:Modular Industrial Switches:Configurable modular switches:with Firmware Release 7:Modular OpenRail Gigabit Ethernet switch 8-24 ports | |
|---|---|
| http://www.e-catalog.beldensolutions.com/link/57078-24455-49860-49861-168503-168505/en/MS30-0802SAAEH07.0/ui/state | |
| Name | Modular OpenRail Gigabit Ethernet switch 8-24 ports |
| |  |
| | 10 port Gigabit/Fast Ethernet switch (2 x GE, 8 x FE), managed, software Layer 2 Enhanced, for DIN rail store-and-forward-switching, fanless design |
| Delivery informations | |
| Availability | available |
| Product description | |
| Description | 10 port Gigabit/Fast Ethernet switch (2 x GE, 8 x FE), managed, software Layer 2 Enhanced, for DIN rail store-and-forward-switching, fanless design |
| Port type and quantity | Fast Ethernet ports in total: 8; Gigabit Ethernet ports: 2 |
| Type | MS30-0802SAAEH07.0. |
| Order No. | 943 435-005 |
| More Interfaces | |
| Power supply/signaling contact | 2 x plug-in terminal block, 4-pin |
| V.24 interface | 1 x RJ11 socket |
| USB interface | 1 x USB to connect the AutoConfiguration Adapter ACA21-USB |
| 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 | 233 mA |
| Current consumption at 48 V DC | 180 mA |
| Power output in Btu (IT) h | 19.1 |
| Software | |
| Management | Serial interface, web interface, SNMP V1/V2, HViision file transfer SW HTTP/TFTP |
| Diagnostics | LEDs, log-file, syslog, relay contact, RMON, port mirroring 1:1, topology discovery 802.1AB, disable learning, SFP diagnostic (temperature, optical input and output power, power in dBm) |
| Configuration | Comand 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, |
| Security | Port Security (IP und MAC) with multiple addresses(50 MACs per port), SNMP V3 (without 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, broadcastlimiter, 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 server, PTP / IEEE 1588 |
| Flow control | Flow control 802.3x, port priority 802.1D/p, priority (TOS/DIFFSERV) |
| Presettings | Standard |
| Ambient conditions | |
| Operating temperature | 0 °C ... 60 °C |
| Storage/transport temperature | -40 °C ... 70 °C |
| Relative humidity (non-condensing) | 10 % ... 95 % |
| MTBF | 46.1 years (MIL-HDBK-217F) |
| Protective paint on PCB | No |



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Mechanical construction

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|------------------------|--|
| Dimensions (W x H x D) | 163 mm x 133 mm x 100 mm (140 at 48V module) |
| Mounting | DIN Rail |
| Weight | 1010 g |
| Protection class | IP20 |

Mechanical stability

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|-------------------------|---|
| 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

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|--|---|
| 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

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|-------------------|----------------------------|
| FCC CFR47 Part 15 | FCC 47 CFR Part 15 Class A |
| EN 55022 | EN 55022 Class A |

Approvals

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|--|-----------------------|
| Safety of industrial control equipment | cUL 508 |
| Hazardous locations | cUL 1604 Class1 Div 2 |
| Shipbuilding | n/a |
| Railway norm | n/a |
| Substation | n/a |
| Transportation | NEMA TS2 |

Scope of delivery and accessories

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|-------------------|--|
| Scope of delivery | Device, 2 x terminal block, operating manual, CD |
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For more information please contact:

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