



Product information Modular OpenRail Gigabit Ethernet switch 8-24 ports - MS30-1602SAAEH08.0.

Industrial Ethernet:Modular Industrial Switches:Configurable modular switches:with Firmware Release 8:Modular OpenRail Gigabit Ethernet switch 8-24 ports
<http://www.e-catalog.beldensolutions.com/link/57078-24455-49860-49861-374205-374207/en/MS30-1602SAAEH08.0./uistate>

Name Modular OpenRail Gigabit Ethernet switch 8-24 ports



18 port Gigabit/Fast Ethernet switch (2 x GE, 16 x FE), managed, software Layer 2 Enhanced, for DIN rail store-and-forward-switching, fanless design

Delivery informations

Availability available

Product description

Description 18 port Gigabit/Fast Ethernet switch (2 x GE, 16 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: 16; Gigabit Ethernet ports: 2

Type MS30-1602SAAEH08.0.

Order No. 943 435-007

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 525 mA

Current consumption at 48 V DC 350 mA

Power output in Btu (IT) h 43.0

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, 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 NTP 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 32.5 years (MIL-HDBK-217F)

Protective paint on PCB No



Industrial Ethernet:Modular Industrial Switches:Configurable modular switches:with Firmware Release 8:Modular OpenRail Gigabit Ethernet switch 8-24 ports

<http://www.e-catalog.beldensolutions.com/link/57078-24455-49860-49861-374205-374207/en/MS30-1602SAAEHH08.0./uistate>

Mechanical construction

Dimensions (W x H x D) 240 mm x 133 mm x 100 mm (140 at 48V module)

Mounting DIN Rail

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

Transportation NEMA TS2

Scope of delivery and accessories

Scope of delivery Device, 2 x terminal block, operating manual, CD

For more information please contact:

Hirschmann Automation and Control GmbH

Stuttgarter Strasse 45-51

72654 Neckartenzlingen

Germany

Phone: +49 7127/14-1809

E-Mail: inet-sales@belden.com

The information published in the websites has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price-related/commercial respect. The complete information and data were available on user documentation. Mandatory information can only be obtained by a concrete query.