



Product information Basic Switches - RSB20-0800M2M2SAABHH

Industrial Ethernet: Compact configurable managed switches: Basic switches (RSB): Basic Switches
<https://e-catalog.beldensolutions.com:443/link/57078-24455-49854-84128-399555/en/RSB20-0800M2M2SAABHH/ui/state>

Name Basic Switches



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 8 ports in total; 1. uplink: 100BASE-FX, MM-SC; 2. uplink: 100BASE-FX, MM-SC; 6 x standard 10/100 BASE TX, RJ45

Type RSB20-0800M2M2SAABHH

Order No. 942 014-002

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 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

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 315 mA

Power output in Btu (IT) h 26.2

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

Protection class IP20

Mechanical stability

IEC 60068-2-27 shock 15 g, 11 ms duration, 18 shocks



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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

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

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