Product information
RSB switches 8-9 ports, with 1-2 fiber ports - RSB20-0800M2M2SAABHH

Industrial Ethernet: Compact configurable managed switches: Basic switches (RSB): RSB switches 8-9 ports, with 1-2 fiber ports

Name
RSB switches 8-9 ports, with 1-2 fiber ports

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 - cascadibility
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, HDBackup, auto-configuration adapter (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 Queryer, Fast Aging
Industrial Profiles EtherNet/IP and PROFINET compatible
Time synchronisation SNTP Client and Server, IEEE 1588 client
Flow control n/a
Presets Standard

Ambient conditions
Operating temperature 0 ºC ... 60 ºC
Storage/transport temperature -40 ºC ... 70 ºC
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
### Industrial Ethernet: Compact configurable managed switches: Basic switches (RSB)

Basic switches (RSB) switches 8-9 ports, with 1-2 fiber ports


<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mechanical stability</td>
<td></td>
</tr>
<tr>
<td>IEC 60068-2-27 shock</td>
<td>15 g, 11 ms duration, 18 shocks</td>
</tr>
<tr>
<td>IEC 60068-2-6 vibration</td>
<td>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.</td>
</tr>
<tr>
<td>EMC interference immunity</td>
<td></td>
</tr>
<tr>
<td>EN 61000-4-2 electrostatic discharge</td>
<td>6 kV contact discharge, 8 kV air discharge</td>
</tr>
<tr>
<td>EN 61000-4-3 electromagnetic field</td>
<td>10 V/m (80-1000 MHz)</td>
</tr>
<tr>
<td>EN 61000-4-4 fast transients (burst)</td>
<td>2 kV power line, 1 kV data line</td>
</tr>
<tr>
<td>EN 61000-4-5 surge voltage</td>
<td>power line: 2 kV line/earth, 1 kV line/line, 1 kV data line</td>
</tr>
<tr>
<td>EN 61000-4-6 conducted immunity</td>
<td>3 V (10 kHz-150 kHz), 10 V (150 kHz-80 MHz)</td>
</tr>
<tr>
<td>EN 61000-4-16 mains frequency voltage</td>
<td>n/a</td>
</tr>
<tr>
<td>EMC emitted immunity</td>
<td></td>
</tr>
<tr>
<td>FCC CFR47 Part 15</td>
<td>FCC 47 CFR Part 15 Class A</td>
</tr>
<tr>
<td>EN 55022</td>
<td>EN 55022 Class A</td>
</tr>
<tr>
<td>Approvals</td>
<td></td>
</tr>
<tr>
<td>Safety of industrial control equipment</td>
<td>cUL 508</td>
</tr>
<tr>
<td>Hazardous locations</td>
<td>cUL 1604 Class1 Div 2 (pending)</td>
</tr>
<tr>
<td>Shipbuilding</td>
<td>n/a</td>
</tr>
<tr>
<td>Railway norm</td>
<td>n/a</td>
</tr>
<tr>
<td>Substation</td>
<td>n/a</td>
</tr>
<tr>
<td>Transportation</td>
<td>n/a</td>
</tr>
<tr>
<td>Scope of delivery and accessories</td>
<td></td>
</tr>
<tr>
<td>Scope of delivery</td>
<td>Device, terminal block, operating manual</td>
</tr>
</tbody>
</table>

For more information please contact:

Hirschmann Automation and Control GmbH
Stuttgart 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.