



**Data sheet**  
**RSB switches 8-9 ports, with 1-2 fiber ports -**  
**RSB20-0800S2S2SAAB**  
**942 014-003**

<b>Name</b>		RSB switches 8-9 ports, with 1-2 fiber ports
		
<b>Delivery informations</b>		
Document created at	05-05-2010	
Availability	available	
<b>Product description</b>		
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, SM-SC; 2. uplink: 100BASE-FX, SM-SC; 6 x standard 10/100 BASE TX, RJ45	
Type	RSB20-0800S2S2SAAB	
Order No.	942 014-003	
<b>More Interfaces</b>		
Power supply/signaling contact	1 x plug-in terminal block, 6-pin	
V.24 interface	1 x RJ11 socket	
<b>Network size - length of cable</b>		
Single mode fiber (SM) 9/125 µm	0-32.5 km, 16 dB link budget at 1300 nm, A=0.4 dB/km, 3 dB reserve, D=3.5 ps/(nm x km)	
<b>Network size - cascading</b>		
Line - / star topology	any	
Ring structure (HIPER-Ring) quantity switches	50 (reconfiguration time < 0.3 sec.)	
<b>Power requirements</b>		
Operating voltage	24 V DC (18-32 V)	
Current consumption at 24 V DC	315 mA	
Power output in Btu (IT) h	26.2	
<b>Software</b>		
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), TELNET, 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	
Filter	QoS 4 classes, port prioritisation (IEEE 802.1D/p), multicast IGMP (Snooping and Querier, Fast Aging)	
Industrial Profiles	EtherNet/IP and PROFINET compatibel	
Realtime	SNTP Client and Server, IEEE 1588 client	
Flow control	n/a	
Presettings	Standard	
<b>Ambient conditions</b>		
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	
<b>Mechanical construction</b>		
Dimensions (W x H x D)	71 mm x 131 mm x 111 mm	
Mounting	DIN Rail	
Weight	400 gram	
Protection class	IP20	
<b>Mechanical stability</b>		
IEC 60068-2-27 shock	15 g, 11 ms duration, 18 shocks	

The information published has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price related/commercial respect.



<b>IEC 60068-2-6 vibration</b>	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.
<b>EMC interference immunity</b>	
<b>EN 61000-4-2 electrostatic discharge (ESD)</b>	6 kV contact discharge, 8 kV air discharge
<b>EN 61000-4-3 electromagnetic field</b>	10 V/m (80-1000 MHz)
<b>EN 61000-4-4 fast transients (burst)</b>	2 kV power line, 1 kV data line
<b>EN 61000-4-5 surge voltage</b>	power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line
<b>EN 61000-4-6 conducted immunity</b>	3 V (10 kHz-150 kHz), 10 V (150 kHz-80 MHz)
<b>EN 61000-4-16 mains frequency voltage</b>	n/a
<b>EMC emitted immunity</b>	
<b>FCC CFR47 Part 15</b>	FCC 47 CFR Part 15 Class A
<b>EN 55022</b>	EN 55022 Class A
<b>Approvals</b>	
<b>Safety of industrial control equipment</b>	cUL 508 (pending)
<b>Hazardous locations</b>	cUL 1604 Class1 Div 2 (pending)
<b>Germanischer Lloyd</b>	n/a
<b>Railway norm</b>	n/a
<b>Substation</b>	n/a
<b>Transportation</b>	n/a
<b>Scope of delivery and accessories</b>	
<b>Scope of delivery</b>	Device, terminal block, operating manual