



**Product information**

**RSB switches 8-9 ports, with 1-2 fiber ports -  
RSB20-0800M2M2SAABEH**

**942 014-018**

Name		RSB switches 8-9 ports, with 1-2 fiber ports
		
		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	RSB20-0800M2M2SAABEH	
Order No.	942 014-018	
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	

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.



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.; 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

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