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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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## Product information Basic Switches - RSB20-0800T1T1SAABHH

Industrial Ethernet: Compact configurable managed switches: Basic switches (RSB): Basic Switches

<https://www.e-catalog.beldensolutions.com:443/link/57078-24455-49854-84128-399555/en/RSB20-0800T1T1SAABHH/uistate>

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
<b>Delivery informations</b>	
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: 10/100BASE-TX, RJ45; 2. uplink: 10/100BASE-TX, RJ45; 6 x standard 10/100 BASE TX, RJ45
Type	RSB20-0800T1T1SAABHH
Order No.	942 014-001
<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>	
Twisted pair (TP)	0 m ... 100 m
<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	215 mA
Power output in Btu (IT) h	18
<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), 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	CoS 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
<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 g
Protection class	IP20
<b>Mechanical stability</b>	
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.



## Industrial Ethernet: Compact configurable managed switches: Basic switches (RSB): Basic Switches

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### 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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