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Product information
Basic Switches - RSB20-0800M2M2SAABHH

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

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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 d/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	Comand 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 priorisation (IEEE 802.1D/p), multicast IGMP (Snooping and Querier, Fast Aging
Industrial Profiles	EtherNet/IP and PROFINET compatibel
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
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)

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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:
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