



## Product information Fast Ethernet DIN Rail switch 8-9 ports - RSR20-0800M2M2T1SKKHPPH09.0.

Industrial Ethernet:Ruggedized Switches:Robust Fast/Gigabit Ethernet DIN Rail Switches:with Classic Software 9.0:Fast Ethernet DIN Rail switch 8-9 ports  
<http://dev-catalog.beldensolutions.com/link/57078-24455-49846-49996-437716-437683/en/RSR20-0800M2M2T1SKKHPPH09.0./uistate>

<b>Name</b>	Fast Ethernet DIN Rail switch 8-9 ports
	 <small>comparable illustration Abbildung ähnlich</small>
	8 port Fast Ethernet Switch, managed, Software Layer 2 Professional, for DIN rail, store-and-forward-switching, fanless design
<b>Delivery informations</b>	
<b>Availability</b>	available
<b>Product description</b>	
<b>Description</b>	8 port Fast Ethernet Switch, managed, Software Layer 2 Professional, for DIN rail, store-and-forward-switching, fanless design
<b>Port type and quantity</b>	8 ports in total, thereof 8 x FE; 1. uplink: 100BASE-FX, MM-SC; 2. uplink: 100BASE-FX, MM-SC; 6 x 10/100BASE TX, RJ45
<b>Type</b>	RSR20-0800M2M2T1SKKHPPH09.0.
<b>Order No.</b>	RSR20-0800M2M2T1SKKHPPH09.0.
<b>More Interfaces</b>	
<b>Power supply/signaling contact</b>	Power supply 1: 1 x plug-in terminal block 3-pin 1 x plug-in terminal block 2-pin; Power supply 2: 1 x plug-in terminal block 3-pin 1 x plug-in terminal block 2-pin
<b>V.24 interface</b>	1 x RJ11 socket
<b>USB interface</b>	1 x USB to connect the AutoConfiguration Adapter ACA21-USB
<b>Network size - length of cable</b>	
<b>Twisted pair (TP)</b>	0 m ... 100 m
<b>Multimode fiber (MM) 50/125 µm</b>	0 - 5000 m, 8 dB link budget at 1300 nm, A = 1 dB/km, 3 dB reserve, B = 800 MHz x km
<b>Multimode fiber (MM) 62.5/125 µm</b>	0 - 4000 m, 8 dB link budget at 1300 nm, A = 1 dB/km, 3 dB reserve, B = 500 MHz x km
<b>Single mode fiber (SM) 9/125 µm</b>	-
<b>Single mode fiber (LH) 9/125 µm (long haul transceiver)</b>	-
<b>Network size - cascading</b>	
<b>Line - / star topology</b>	any
<b>Ring structure (HIPER-Ring) quantity switches</b>	> 100
<b>Reconfiguration time</b>	< 10ms (10 switches), < 30ms (50 switches), < 40ms (100 switches), < 60ms (200 switches)
<b>Power requirements</b>	
<b>Operating voltage</b>	Power supply 1: 60/120/250 VDC (48-320) V und 110/230 VAC (90-265)V; Power supply 2: 60/120/250 VDC (48-320)V and 110/230 VAC (90-265)V
<b>Power consumption</b>	14.0 W
<b>Software</b>	
<b>Management</b>	Dual Software Image Support; TFTP; LLDP (802.1AB); LLDP-MED; SSHv1; SSHv2; V.24; HTTP; HTTPS; Traps; SNMP v1/v2/v3; Telnet
<b>Diagnostics</b>	Management Address Conflict Detection; Address Relearn Detection; MAC Notification; Signal Contact; Device Status Indication; TCPDump; LEDs; Syslog; Port Monitoring with Auto-Disable; Link Flap Detection; Overload Detection; Duplex Mismatch Detection; Link Speed and Duplex Monitoring; RMON (1,2,3,9); Port Mirroring 1:1;Port Mirroring 8:1; Port Mirroring N:1; System Information; Self-Tests on Cold Start; Copper Cable Test; SFP Management; Configuration Check Dialog; Switch Dump
<b>Configuration</b>	AutoConfiguration Adapter ACA11 Limited Support (RS20/30/40, MS20/30); Automatic Configuration Undo (roll-back); Configuration Fingerprint; BOOTP/DHCP Client with Auto-Configuration; DHCP Server: per Port; DHCP Server: Pools per VLAN; DHCP Server: Option 43; AutoConfiguration Adapter ACA21/22 (USB); HiDiscovery; DHCP Relay with Option 82; Command Line Interface (CLI); CLI Scripting; Full-featured MIB Support; Web-based Management; Context-sensitive Help
<b>Security</b>	IP-based Port Security; MAC-based Port Security; Port-based Access Control with 802.1X; Guest/unauthenticated VLAN; RADIUS VLAN Assignment; Multi-Client Authentication per Port; MAC Authentication Bypass; Access to Management restricted by VLAN; HTTPS Certificate Management; Restricted Management Access; Appropriate Use Banner; SNMP Logging; Local User Management; Remote Authentication via RADIUS
<b>Redundancy functions</b>	Advanced Ring Configuration for MRP; HIPER-Ring (Manager); HIPER-Ring (Ring Switch); Fast HIPER-Ring; Link Aggregation with LACP; Media Redundancy Protocol (MRP) (IEC62439-2); Redundant Network Coupling; Sub Ring Manager; RSTP 802.1D-2004 (IEC62439-1); MSTP (802.1Q); RSTP Guards; RSTP over MRP
<b>Filter</b>	PoE (802.3AF);PoE+ (802.3AT)



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<b>Industrial Profiles</b>	EtherNet/IP Protocol; IEC61850 Protocol (MMS Server, Switch Model); PROFINET IO Protocol
<b>Time synchronisation</b>	SNTP server and client, Buffered RTC
<b>Switching</b>	Disable Learning (hub functionality); Independent VLAN Learning; Fast Aging; Static Unicast/Multicast Address Entries; QoS / Port Prioritization (802.1D/p); TOS/DSCP Prioritization; Egress Broadcast Limiter per Port; Flow Control (802.3X); Jumbo Frames; VLAN (802.1Q); GARP VLAN Registration Protocol (GVRP); Double VLAN Tagging (QinQ); Voice VLAN; GARP Multicast Registration Protocol (GMRP); IGMP Snooping/Querier (v1/v2/v3)
<b>Ambient conditions</b>	
<b>Operating temperature</b>	0 °C ... 60 °C
<b>Storage/transport temperature</b>	-40 °C ... 70 °C
<b>Relative humidity (non-condensing)</b>	10 % ... 95 %
<b>Protective paint on PCB</b>	No
<b>Mechanical construction</b>	
<b>Dimensions (W x H x D)</b>	120 mm x 137 mm x 115 mm
<b>Width</b>	120 mm
<b>Height</b>	137 mm
<b>Depth</b>	115 mm
<b>Mounting</b>	DIN Rail
<b>Weight</b>	1000 g
<b>Protection class</b>	IP30
<b>Mechanical stability</b>	
<b>IEC 60068-2-27 shock</b>	15 g, 11 ms duration, 18 shocks
<b>IEC 60068-2-6 vibration</b>	1 mm, 2 Hz - 13,2 Hz, 90 min.; 0,7g, 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 Zyklen, 1 octave/min
<b>EMC interference immunity</b>	
<b>EN 61000-4-2 electrostatic discharge (ESD)</b>	8 kV contact discharge, 15 kV air discharge
<b>EN 61000-4-3 electromagnetic field</b>	35 V/m (80-2700 MHz); 1 kHz, 80% AM
<b>EN 61000-4-4 fast transients (burst)</b>	4 kV power line, 4 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, IEEE1613: power line 5 kV (line/earth)
<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>	30 V, 50 Hz continuous; 300 V, 50 Hz 1 s
<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
<b>Hazardous locations</b>	ISA 12.12.01 Class 1 Div. 2 (pending)
<b>Railway norm</b>	EN50121-4
<b>Substation</b>	IEC 61850-3, IEEE 1613
<b>Transportation</b>	NEMA TS2
<b>Scope of delivery and accessories</b>	
<b>Scope of delivery</b>	Device, terminal block, operating manual

For more information please contact:  
**Hirschmann Automation and Control GmbH**  
 Stuttgarter Strasse 45-51  
 72654 Neckartenzlingen  
 Germany  
 Phone: +49 7127/14-1809  
 E-Mail: inet-sales@belden.com

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