



**Product information**  
**Gigabit Ethernet DIN Rail switch 9-10 ports -**  
**RSR30-08020OZZT1SKKHPHH08.0.**

<b>Name</b>		Gigabit Ethernet DIN Rail switch 9-10 ports
		 <small>comparable illustration Abbildung ähnlich</small>
		10 port Gigabit/Fast Ethernet Switch, (2 x GE, 8 x FE), 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>	10 port Gigabit/Fast Ethernet Switch, (2 x GE, 8 x FE), managed, Software Layer 2 Professional, for DIN rail, store-and-forward-switching, fanless design	
<b>Port type and quantity</b>	10 ports in total, thereof 2 x GE, 8 x FE; 1. uplink: 2 x Gigabit SFP-slot; 2. uplink: 2 x Fast SFP-slot; 6 x 10/100BASE TX, RJ45;	
<b>Type</b>	RSR30-08020OZZT1SKKHPHH08.0.	
<b>Order No.</b>	RSR30-08020OZZT1SKKHPHH08.0.	
<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>	cf. SFP LWL module M-SFP-SX/LC and M-SFP-LX/LC; and cf. SFP LWL module M-Fast SFP-MM/LC	
<b>Multimode fiber (MM) 62.5/125 µm</b>	cf. SFP LWL module M-SFP-SX/LC and M-SFP-LX/LC; and cf. SFP LWL module M-Fast SFP-MM/LC	
<b>Single mode fiber (SM) 9/125 µm</b>	cf. SFP LWL module M-SFP-LX/LC; and cf. SFP LWL module M-Fast SFP-SM+/LC	
<b>Single mode fiber (LH) 9/125 µm (long haul transceiver)</b>	cf. SFP LWL module M-SFP-LH/LC and M-SFP-LH+/LC; and cf. SFP LWL module M-Fast SFP-MM/LC	
<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: not assembled	
<b>Power consumption</b>	14.0 W	
<b>Software</b>		
<b>Management</b>	Serial interface, web-interface, SNMP V1/V2, HiVision file transfer SW HTTP/TFTP, LLDP-MED, Voice VLAN	
<b>Diagnostics</b>	LEDs, log-file, syslog, relay contact, RMON, port mirroring 1:1 and n:1, egress/ingress traffic configurable, topology discovery 802.1AB, cable tester (TX), address conflict detection, network error detection, SFP diagnostic [temperature, optical input and output power (µW and dBm)], Trap for configuration saving and changing, duplex mismatch detection, disable learning, Port Monitor	
<b>Configuration</b>	Comand line interface (CLI), TELNET, BootP, DHCP, DHCP option 82, HIDiscovery, easy device exchange with auto-configuration adapter ACA21-USB (automatic software and/or configuration upload), automatic script load from ACA21, integrated DHCP server per port, DHCP relay, automatic invalid configuration undo, Offline Configuration, SFP Whitelist, ARC automatic ring configuration (MRP), automatic port shutdown (link flapping), configuration signature (water marking), overload detection	
<b>Security</b>	Port Security (IP und MAC) with multiple addresses (MAC 50 per port), SNMP V3, SSHv2, Authentication (IEEE802.1x), 802.1x Multi Client Authentication, Guest VLAN and Unauthenticated VLAN, Port based Radius VLAN assignment	
<b>Redundancy functions</b>	HIPER-Ring, Fast HIPER-Ring, MRP, MSTP, RSTP - IEEE802.1D-2004, MRP and RSTP in parallel, link aggregation, multiple rings	
<b>Filter</b>	QoS 4 classes, prioritisation (IEEE 802.1D/p), VLAN (IEEE 802.1Q), Voice VLAN, shared VLAN learning, Q-in-Q double VLAN tagging, multicast IGMP v1/v2/v3 (snooping/querier), multicast detection unknown multicast, broadcast-, unicast-, multicast limiter, fast aging, GMRP IEEE 802.1D, Jumbo Frame Support	
<b>Industrial Profiles</b>	EtherNet/IP and PROFINET (2.2 PDEV, GSDML Stand-alone generator, automatic device exchange) profiles included, configuration and diagnostic via automation software tools like e.g. STEP7, or Control Logix IEC61850 protocol (MMS Server, Switch Model)	
<b>Time synchronisation</b>	SNTP Server, PTP / IEEE 1588, realtime clock with energy buffer	



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<b>Flow control</b>	Flow Control 802.3x, Port Priority 802.1D/p, Priority (TOS/DIFFSERV), Prio (MAC/IP), Prio Mapping (TOS Layer2), Traffic Shaping (Unicast, Multicast, Broadcast) Ingress / Egress
<b>Presettings</b>	Standard
<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

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