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Product information Gigabit Ethernet DIN Rail switch 9-10 ports - RSR30-0603CC07T1SCCHPHH08.0.

Industrial Ethernet:Ruggedized Switches:Robust Fast/Gigabit Ethernet DIN Rail Switches:with Firmware Release 8:Gigabit Ethernet DIN Rail switch 9-10 ports

Name		Gigabit Ethernet DIN Rail switch 9-10 ports
		
		9 port Gigabit/Fast Ethernet Switch, (3 x GE, 6 x FE), managed, Software Layer 2 Professional, for DIN rail, store-and-forward-switching, fanless design
Delivery informations		
Availability	available	
Product description		
Description	9 port Gigabit/Fast Ethernet Switch, (3 x GE, 6 x FE), managed, Software Layer 2 Professional, for DIN rail, store-and-forward-switching, fanless design	
Port type and quantity	9 ports in total, thereof 3 x GE, 6 x FE; 1. uplink: 2 x Gigabit SFP-Combo port; 2. uplink: Gigabit SFP-Combo port; 6 x 10/100BASE TX, RJ45;	
Type	RSR30-0603CC07T1SCCHPHH08.0.	
Order No.	RSR30-0603CC07T1SCCHPHH08.0.	
More Interfaces		
Power supply/signaling contact	Power supply 1: 1 x plug-in terminal block 2-pin 1 x plug-in terminal block 2-pin; Power supply 2: 1 x plug-in terminal block 2-pin 1 x plug-in terminal block 2-pin	
V.24 interface	1 x RJ11 socket	
USB interface	1 x USB to connect the AutoConfiguration Adapter ACA21-USB	
Network size - length of cable		
Twisted pair (TP)	0 m ... 100 m	
Multimode fiber (MM) 50/125 µm	cf. SFP LWL module M-SFP-SX/LC and M-SFP-LX/LC	
Multimode fiber (MM) 62.5/125 µm	cf. SFP LWL module M-SFP-SX/LC and M-SFP-LX/LC	
Single mode fiber (SM) 9/125 µm	cf. SFP LWL module M-SFP-LX/LC	
Single mode fiber (LH) 9/125 µm (long haul transceiver)	cf SFP LWL module M-SFP-LH/LC and M-SFP-LH+/LC	
Network size - cascading		
Line - / star topology	any	
Ring structure (HIPER-Ring) quantity switches	> 100	
Reconfiguration time	< 10ms (10 switches), < 30ms (50 switches), < 40ms (100 switches), < 60ms (200 switches)	
Power requirements		
Operating voltage	Power supply 1: 24/36/48 VDC (16,8-60) V; Power supply 2: 24/36/48 VDC (16,8-60) V	
Power consumption	2.0 W	
Software		
Management	Serial interface, web-interface, SNMP V1/V2, HiVision file transfer SW HTTP/TFTP, LLDP-MED, Voice VLAN	
Diagnostics	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	
Configuration	Command 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	
Security	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	
Redundancy functions	HIPER-Ring, Fast HIPER-Ring, MRP, MSTP, RSTP - IEEE802.1D-2004, MRP and RSTP in parallel, link aggregation, multiple rings	
Filter	QoS 4 classes, prioritisation (IEEE 802.1D/p), VLAN (IEEE 802.1D), 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	
Industrial Profiles	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)	
Time synchronisation	SNTP Server, PTP / IEEE 1588, realtime clock with energy buffer	

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Flow control	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
Presettings	Standard
Ambient conditions	
Operating temperature	0 °C ... 60 °C
Storage/transport temperature	-40 °C ... 70 °C
Relative humidity (non-condensing)	10 % ... 95 %
Protective paint on PCB	No
Mechanical construction	
Dimensions (W x H x D)	120 mm x 137 mm x 115 mm
Width	120 mm
Height	137 mm
Depth	115 mm
Mounting	DIN Rail
Weight	1000 g
Protection class	IP30
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.; 0,7g, 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
EMC interference immunity	
EN 61000-4-2 electrostatic discharge (ESD)	8 kV contact discharge, 15 kV air discharge
EN 61000-4-3 electromagnetic field	35 V/m (80-2700 MHz); 1 kHz, 80% AM
EN 61000-4-4 fast transients (burst)	4 kV power line, 4 kV data line
EN 61000-4-5 surge voltage	power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line, IEEE1613: power line 5 kV (line/earth)
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	30 V, 50 Hz continuous; 300 V, 50 Hz 1 s
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)
Railway norm	EN50121-4
Substation	IEC 61850-3, IEEE 1613
Transportation	NEMA TS2
Scope of delivery and accessories	
Scope of delivery	Device, terminal block, operating manual

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