




Product information Managed Fast Ethernet RSP Switches - RSP20-11003Z6TTSK9V9HSE2S06.0.

Industrial Ethernet:Power Rail Switches:RSP Switches:with HiOS 6.0/7.0:Managed Fast Ethernet RSP Switches

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Name	Managed Fast Ethernet RSP Switches
	
	Managed, Industrial Switch DIN Rail, fanless design.
Delivery informations	
Availability	available
Product description	
Description	Managed, Industrial Switch DIN Rail, fanless design.
Port type and quantity	11 Ports in total, thereof Fast Ethernet(100 Mbit): 8 x 10/100BASE TX / RJ45; thereof Uplink Ports: 3 x SFP slot FE (100 Mbit)
Type	RSP20-11003Z6TTSK9V9HSE2S06.0.
Order No.	RSP20-11003Z6TTSK9V9HSE2S06.0.
More Interfaces	
Power supply/signaling contact	1 x plug-in terminal block, k 3- pin, 1 x plug-in terminal block, 2- pin
V.24 interface	1 x RJ11 socket
SD-card slot	1 x SD card slot to connect the auto configuration adapter ACA31
Network size - length of cable	
Twisted pair (TP)	0 m ... 100 m
Multimode fiber (MM) 50/125 µm	see SFP LWL-Modul M-Fast SFP-xx
Multimode fiber (MM) 62.5/125 µm	see SFP LWL-Modul M-Fast SFP-xx
Single mode fiber (SM) 9/125 µm	see SFP LWL-Modul M-Fast SFP-xx
Single mode fiber (LH) 9/125 µm (long haul transceiver)	see SFP LWL-Modul M-Fast SFP-xx
Network size - cascability	
Line - / star topology	any
Power requirements	
Operating voltage	1 x 60/110/125/220/250 VDC (48 V-320 VDC) and 110/120/220/230 VAC (88-265 VAC)
Software	
Management	Dual Software Image Support; TFTP; SFTP; SCP; LLDP (802.1AB); LLDP-MED; SSHv2; V.24; HTTP; HTTPS; Traps; SNMP v1/v2/v3; Telnet
Diagnostics	Management Address Conflict Detection; MAC Notification; Signal Contact; Device Status Indication; TCPDump; LEDs; Syslog; Persistent Logging on ACA; 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; Snapshot Configuration Feature
Configuration	Automatic Configuration Undo (roll-back); Configuration Fingerprint; Text-based Configuration File (XML); BOOTP/DHCP Client with Auto-Configuration; DHCP Server: per Port; DHCP Server: Pools per VLAN; AutoConfiguration Adapter ACA31 (SD card); HiDiscovery; DHCP Relay with Option 82; Command Line Interface (CLI); CLI Scripting; Full-featured MIB Support; Web-based Management; Context-sensitive Help
Security	MAC-based Port Security; Port-based Access Control with 802.1X; Guest/unauthenticated VLAN; Integrated Authentication Server (IAS); RADIUS VLAN Assignment; Automatic Denial-of-Service Prevention; VLAN-based ACL; Ingress VLAN-based ACL; Basic ACL; Access to Management restricted by VLAN; Device Security Indication; Audit Trail; CLI Logging; HTTPS Certificate Management; Restricted Management Access; Appropriate Use Banner; Configurable Password Policy; Configurable Number of Login Attempts; SNMP Logging; Multiple Privilege Levels; Local User Management; Remote Authentication via RADIUS; User Account Locking
Redundancy functions	Link Aggregation with LACP; Link Backup; Media Redundancy Protocol (MRP) (IEC62439-2); RSTP 802.1D-2004 (IEC62439-1); RSTP Guards
Industrial Profiles	EtherNet/IP protocol, IEC61850 protocol (MMS Server, Switch Model), ModbusTCP, PROFINET IO Protocol
Time synchronisation	PTPv2 Transparent Clock two-step; PTPv2 Boundary Clock; Buffered Real Time Clock; SNTP Client; SNTP ServerPTPv2 Transparent Clock two-step; PTPv2 Boundary Clock; Buffered Real Time Clock; SNTP Client; SNTP Server
Miscellaneous	Port Power Down; Manual Cable Crossing
Switching	Independent VLAN Learning; Fast Aging; Static Unicast/Multicast Address Entries; QoS / Port Prioritization (802.1D/p); TOS/DSCP Prioritization; Interface Trust Mode; CoS Queue Management; Queue-Shaping / Max. Queue Bandwidth; Flow Control (802.3X); Egress Interface Shaping; Ingress Storm Protection;



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Jumbo Frames; VLAN (802.1Q); VLAN Unaware Mode; Voice VLAN; IGMP Snooping/Querier per VLAN (v1/v2/v3); Unknown Multicast Filtering; Multiple VLAN Registration Protocol (MVRP); Multiple MAC Registration Protocol (MMRP); Multiple Registration Protocol (MRP)

Ambient conditions

Operating temperature	0 °C ... 60 °C
Storage/transport temperature	-40 °C ... 70 °C
Relative humidity (non-condensing)	10 % ... 95 %

Mechanical construction

Dimensions (W x H x D)	90 mm x 164 mm x 120 mm
Mounting	DIN Rail
Weight	1200 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.; 0.7 g, 13.2 Hz-100 Hz, 90 min.; 3.5 mm, 3 Hz-9 Hz, 10 cycles, 1 octave/min.; 1 g, 9 Hz-150 Hz, 10 cycles, 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, IEC61000-4-5: 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

Basis Standard	CE,FCC,EN611131
Substation	IEC 61850-3,IEEE 1613

Scope of delivery and accessories

Scope of delivery	Device, terminal block, operating manual
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