




## Product information Managed Fast Ethernet RSP Switches - RSP25-11003Z6TTSCCZ9HDE3S06.0.

Industrial Ethernet:Power Rail Switches:RSP Switches:with HiOS 6.0:Managed Fast Ethernet RSP Switches	
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Name	Managed Fast Ethernet RSP Switches
	
	Managed, Industrial Switch DIN Rail, fanless design. Enhanced Redundancy (PRP, Fast MRP, HSR).
Delivery informations	
Availability	available
Product description	
Description	Managed, Industrial Switch DIN Rail, fanless design. Enhanced Redundancy (PRP, Fast MRP, HSR).
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	RSP25-11003Z6TTSCCZ9HDE3S06.0.
Order No.	RSP25-11003Z6TTSCCZ9HDE3S06.0.
More Interfaces	
Power supply/signaling contact	2 x plug-in terminal bloc, 2- 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	2 x 24/36/48 VDC (18-60 VDC)
Software	
Diagnostics	Management Address Conflict Detection MAC Notification Signal Contact Device Status Indication TCPDump LEDs Syslog Persistent Logging on ACA Email Notification 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 IRSPAN SFLOW VLAN Mirroring System Information Self-Tests on Cold Start Copper Cable Test SFP Management Configuration Check Dialog Switch Dump Snapshot Configuration Feature
Redundancy functions	Device Level Ring (DLR); HIPER-Ring (Ring Switch); HIPER-Ring over Link Aggregation; Link Aggregation with LACP; Link Backup; Media Redundancy Protocol (MRP) (IEC62439-2); Fast MRP (IEC62439-2); MRP over Link Aggregation; High Availability Seamless Redundancy Protocol (HSR) (IEC62439-3); Parallel Redundancy Protocol (PRP) (IEC62439-3); Sub Ring Manager; RSTP 802.1D-2004 (IEC62439-1); RSTP Guards; Redundant Network Coupling; VRRP; VRRP Tracking; HiVRRP (VRRP enhancements)
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 Server PTPv2 Transparent Clock two-step; PTPv2 Boundary Clock; Buffered Real Time Clock; SNTP Client; SNTP Server
Miscellaneous	Port Power Down; Manual Cable Crossing
Routing	IP/UDP Helper; Full Wire-Speed Routing; Port-based Router Interfaces; VLAN-based Router Interfaces; Loopback Interface; ICMP Filter; Net-directed Broadcasts; OSPFv2; RIP v1/v2; ICMP Router Discovery (IRDP); Static Unicast Routing; Proxy ARP; Static Route Tracking; 1:1 NAT (FE only)
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



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<b>Mounting</b>	DIN Rail
<b>Weight</b>	1200 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.; 0.7 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
<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, IEE1613: 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>Basis Standard</b>	CE,FCC,EN611131
<b>Scope of delivery and accessories</b>	
<b>Scope of delivery</b>	Device, terminal block, operating manual

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