




## Product information Managed Fast Ethernet RSP Switches - RSP25-11003Z6TTSCCZ9HDE2S06.0.

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

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|--|---|
| <b>Name</b>  | Managed Fast Ethernet RSP Switches  |
|  |    |
|  | Managed, Industrial Switch DIN Rail, fanless design. Enhanced Redundancy (PRP, Fast MRP, HSR).  |
| <b>Delivery informations</b>                                   |   |
| <b>Availability</b>  | available   |
| <b>Product description</b>                                     |   |
| <b>Description</b>   | Managed, Industrial Switch DIN Rail, fanless design. Enhanced Redundancy (PRP, Fast MRP, HSR).  |
| <b>Port type and quantity</b>                                  | 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)  |
| <b>Type</b>  | RSP25-11003Z6TTSCCZ9HDE2S06.0.  |
| <b>Order No.</b>   | RSP25-11003Z6TTSCCZ9HDE2S06.0.  |
| <b>More Interfaces</b>   |   |
| <b>Power supply/signaling contact</b>                          | 2 x plug-in terminal bloc, 2- pin, 1 x plug-in terminal block, 2- pin   |
| <b>V.24 interface</b>  | 1 x RJ11 socket   |
| <b>SD-card slot</b>  | 1 x SD card slot to connect the auto configuration adapter ACA31  |
| <b>Network size - length of cable</b>                          |   |
| <b>Twisted pair (TP)</b>                                       | 0 m ... 100 m   |
| <b>Multimode fiber (MM) 50/125 µm</b>                          | see SFP LWL-Modul M-Fast SFP-xx   |
| <b>Multimode fiber (MM) 62.5/125 µm</b>                        | see SFP LWL-Modul M-Fast SFP-xx   |
| <b>Single mode fiber (SM) 9/125 µm</b>                         | see SFP LWL-Modul M-Fast SFP-xx   |
| <b>Single mode fiber (LH) 9/125 µm (long haul transceiver)</b> | see SFP LWL-Modul M-Fast SFP-xx   |
| <b>Network size - cascability</b>                              |   |
| <b>Line - / star topology</b>                                  | any   |
| <b>Power requirements</b>                                      |   |
| <b>Operating voltage</b>                                       | 2 x 24/36/48 VDC (18-60 VDC)  |
| <b>Software</b>  |   |
| <b>Management</b>  | Dual Software Image Support; TFTP; SFTP; SCP; LLDP (802.1AB); LLDP-MED; SSHv2; V.24; HTTP; HTTPS; Traps; SNMP v1/v2/v3; Telnet  |
| <b>Diagnostics</b>   | 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  |
| <b>Configuration</b>   | 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  |
| <b>Security</b>  | 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 |
| <b>Redundancy functions</b>                                    | Device Level Ring (DLR); Link Aggregation with LACP; Link Backup; Media Redundancy Protocol (MRP) (IEC62439-2); Fast MRP (IEC62439-2); High Availability Seamless Redundancy Protocol (HSR) (IEC62439-3); Parallel Redundancy Protocol (PRP) (IEC62439-3); RSTP 802.1D-2004 (IEC62439-1); RSTP Guards   |
| <b>Industrial Profiles</b>                                     | EtherNet/IP protocol, IEC61850 protocol (MMS Server, Switch Model), ModbusTCP, PROFINET IO Protocol   |
| <b>Time synchronisation</b>                                    | 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  |
| <b>Miscellaneous</b>   | Port Power Down; Manual Cable Crossing  |



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| <b>Switching</b>                           | 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; 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) |
| <b>Ambient conditions</b>                  |  |
| Operating temperature                      | 0 °C ... 60 °C   |
| Storage/transport temperature              | -40 °C ... 70 °C   |
| Relative humidity (non-condensing)         | 10 % ... 95 %  |
| <b>Mechanical construction</b>             |  |
| Dimensions (W x H x D)                     | 90 mm x 164 mm x 120 mm  |
| Mounting                                   | DIN Rail   |
| Weight                                     | 1200 g   |
| Protection class                           | IP30   |
| <b>Mechanical stability</b>                |  |
| 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  |
| <b>EMC interference immunity</b>           |  |
| 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   |
| <b>EMC emitted immunity</b>                |  |
| FCC CFR47 Part 15                          | FCC 47 CFR Part 15 Class A   |
| EN 55022                                   | EN 55022 Class A   |
| <b>Approvals</b>                           |  |
| Basis Standard                             | CE,FCC,EN611131  |
| <b>Scope of delivery and accessories</b>   |  |
| Scope of delivery                          | Device, terminal block, operating manual   |

For more information please contact:

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