




Product information Managed Fast Ethernet RSP Switches - RSP20-11003Z6ZTSCCZ9HSE3S06.0.

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 |
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| | 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): 4 x SFP slot, 4x Twisted Pair / RJ45; thereof Uplink Ports: 3 x SFP slot FE (100 Mbit) |
| Type | RSP20-11003Z6ZTSCCZ9HSE3S06.0. |
| Order No. | RSP20-11003Z6ZTSCCZ9HSE3S06.0. |
| 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 - cascading | |
| 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 RSPAN 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 | HIPER-Ring (Ring Switch); HIPER-Ring over Link Aggregation; Link Aggregation with LACP; Link Backup; Media Redundancy Protocol (MRP) (IEC62439-2); MRP over Link Aggregation; Sub Ring Manager; RSTP 802.1D-2004 (IEC62439-1); RSTP Guards; VRRP; VRRP Tracking; HiVRRP (VRRP enhancements); Redundant Network Coupling |
| 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 |
| Mounting | DIN Rail |



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| 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, 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 | |
| Basis Standard | CE,FCC,EN611131 |
| Scope of delivery and accessories | |
| Scope of delivery | Device, terminal block, operating manual |

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