




Product information Managed Gigabit Ethernet RSP Switches - RSP35-0803306ZTSCCZ9HDE3S06.0.

Industrial Ethernet:Power Rail Switches:RSP Switches:with HiOS 6.0:Managed Gigabit Ethernet RSP Switches	
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Name	Managed Gigabit Ethernet RSP Switches
	
	Managed, Industrial Switch DIN Rail, fanless design. Fast Ethernet, Gigabit Uplink type. Enhanced Redundancy (PRP, Fast MRP, HSR).
Delivery informations	
Availability	available
Product description	
Description	Managed, Industrial Switch DIN Rail, fanless design. Fast Ethernet, Gigabit Uplink type. Enhanced Redundancy (PRP, Fast MRP, HSR).
Port type and quantity	11 Ports in total, thereof Fast Ethernet ports: 4 x SFP slots, 4x Twisted Pair / RJ45; thereof Uplink ports: 3 x Gigabit Ethernet SFP slots (1000 MBit).
Type	RSP35-0803306ZTSCCZ9HDE3S06.0.
Order No.	RSP35-0803306ZTSCCZ9HDE3S06.0.
More Interfaces	
Power supply/signaling contact	2 x plug-in terminal block, 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-SFP-SX/LC and M-SFP-LX/LC
Multimode fiber (MM) 62.5/125 µm	see SFP LWL-Modul M-SFP-SX/LC and M-SFP-LX/LC
Single mode fiber (SM) 9/125 µm	see SFP LWL-Modul M-SFP-LX/LC
Single mode fiber (LH) 9/125 µm (long haul transceiver)	see SFP LWL-Modul M-SFP-LH/LC and M-SFP-LH+/LC
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 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	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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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, IEE1613: 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

For more information please contact:

Hirschmann Automation and Control GmbH

Stuttgarter Strasse 45-51

72654 Neckartenzlingen

Germany

Phone: +49 7127/14-1809

E-Mail: inet-sales@belden.com

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