



Product information Managed Fast Ethernet Power Rail Switches - Smart - RSPS25-06002Z6YTSCCZ9HDE2S06.0.

Industrial Ethernet:Power Rail Switches:RSPS - Smart Switches:with HiOS 6.0:Managed Fast Ethernet Power Rail Switches - Smart

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Name		Managed Fast Ethernet Power Rail Switches - Smart
		
		Managed, Industrial Switch DIN Rail, fanless design. Fast Ethernet type, enhanced Redundancy (PRP, Fast MRP, HSR*).
Delivery informations		
Availability	available	
Product description		
Description	Managed, Industrial Switch DIN Rail, fanless design. Fast Ethernet type, enhanced Redundancy (PRP, Fast MRP, HSR*).	
Port type and quantity	6 Ports in total, 4 x SFP-Schacht (100 Mbit); 2 x (100MBit) Twisted Pair / RJ45;	
Type	RSPS25-06002Z6YTSCCZ9HDE2S06.0.	
Order No.	RSPS25-06002Z6YTSCCZ9HDE2S06.0.	
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 Fiber Module M-Fast SFP-xx	
Multimode fiber (MM) 62.5/125 µm	see SFP Fiber Module M-Fast SFP-xx	
Single mode fiber (SM) 9/125 µm	see SFP Fiber Module M-Fast SFP-xx	
Single mode fiber (LH) 9/125 µm (long haul transceiver)	see SFP Fiber Module M-Fast SFP-xx	
Network size - cascability		
Line - / star topology	any	
Ring structure (HIPER-Ring) quantity switches	MRP, RSTP	
Power requirements		
Operating voltage	2 x 24/36/48 VDC (18-60 VDC)	
Power consumption	12 W	
Power output in Btu (IT) h	40	
Software		
Management	TFTP; SFTP; SCP; LLDP (802.1AB); LLDP-MED; SSHv2; V.24; HTTP; HTTPS; Traps; SNMP v1/v2/v3; Telnet	
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; 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; 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	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	
Time synchronisation	PTPv2 Transparent Clock two-step; PTPv2 Boundary Clock; Buffered Real Time Clock; SNTP Client; SNTP Server	
Miscellaneous	Manual Cable Crossing, Port Power Down	
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; Flow Control (802.3X); Egress Interface Shaping; Ingress Storm Protection; 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)	



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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	1180 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, EN61131
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Scope of delivery and accessories

Scope of delivery	Device, terminal block, operating manual
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