

Product information

Managed Fast Ethernet Power Rail Switches - Smart - RSPS25-06002T1TTTM9V9HPE2S03.0.

Industrial Ethernet:Power Rail Switches:RSPS - Smart Switches:with HiOS 3.0:Managed Fast Ethernet Power Rail Switches - Smart

<http://e-catalog.hirschmann.com/link/57078-24455-202442-279207-402213-402214/en/RSPS25-06002T1TTTM9V9HPE2S03.0/uistate>

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, 6 x (10/100Mbit/s) Twisted Pair / RJ45
Type	RSPS25-06002T1TTTM9V9HPE2S03.0.
Order No.	RSPS25-06002T1TTTM9V9HPE2S03.0.
More Interfaces	
Power supply/signaling contact	1 x plug-in terminal block, 3-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	1 x 110-250 VDC (88-320 VDC) and 110-230 VAC (88-265 VAC)
Power consumption	12 W
Power output in Btu (IT) h	40
Software	
Management	Serial interface V.24 web-interface, Telnet, SSHv2, HTTP, HTTPS, TFTP, SCP, SFTP, SNMP v1/v2/v3, Traps, LLDP-MED, SSH client
Diagnostics	LED, persistent logging, syslog, signal contact, device status indication, port mirroring N:1, RMON (1,2,3,9), TCPDump, LLDP, SFP management (temperature, optical input and output power), switch dump, configuration check dialog, system information, self tests on cold start, Management Address Conflict Detection, Copper cable test, Port Monitor, duplex mismatch detection, snapshot configuration feature
Configuration	Command line interface (CLI), WEB based management, full featured MIB support, BOOTP/DHCP client with auto configuration, HiDiscovery, auto-configuration adapter ACA31 (SD card), Automatic configuration undo (roll-back), text based configuration file, CLI scripting, Telnet
Security	MAC based port security, Radius client, Restricted management access, Local user accounts, different privilege levels, management authentication via RADIUS, account locking, configurable password policy, account locking, audit trail, configurable login attempts, HTTPS certificate management, CLI/SNMP logging, DoS prevention (e.g. TCP SYNandFIN, UDP source-destination port, TCP fragment)
Redundancy functions	F-MRP, MRP, RSTP, PRP (Parallel Redundancy Protocol), HSR (High Available Seamless Ring)
Filter	QoS (4 classes), CoS queue management, interface trust mode, TOS/DSCP prioritization, port priority (IEEE802.1D/p), VLAN (IEEE802.1Q), Voice VLAN, IGMP snooping/querier per VLAN (v1/v2/v3), unknown multicast filtering, independent VLAN learning, static unicast/multicast address entries, fast aging
Time synchronisation	PTPv2 TC two-step, SNTP server and client, Buffered RTC
Flow control	Flow control (IEEE802.3X), egress interface shaping, ingress storm protection
Miscellaneous	Port power down, cable crossing, VLAN unaware mode, access to management restricted by VLAN

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Ambient conditions

Operating temperature	-40 °C ... 70 °C
Note	IEC 60068-2-2 Dry Heat Test +85°C 16 Hours
Storage/transport temperature	-40 °C ... 85 °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
Substation	IEC 61850-3, IEEE 1613

Scope of delivery and accessories

Scope of delivery	Device, terminal block, operating manual
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