


Product information

Compact OpenRail Fast Ethernet Switch 4-25 ports - RS20-0800S2S2SDAEHH06.0.

Industrial Ethernet:Archive - Industrial Ethernet:Compact configurable managed switches:with Firmware Release 6:Compact OpenRail Fast Ethernet Switch 4-25 ports

<http://e-catalog.hirschmann.com/link/57078-24455-49814-49854-173492-173497/en/RS20-0800S2S2SDAEHH06.0./uistate>

Name	
Compact OpenRail Fast Ethernet Switch 4-25 ports	
	
8 port Fast-Ethernet-Switch, managed, software Layer 2 Enhanced, for DIN rail store-and-forward-switching, fanless design	
Delivery informations	
Availability	available
Product description	
Description	8 port Fast-Ethernet-Switch, managed, software Layer 2 Enhanced, for DIN rail store-and-forward-switching, fanless design
Port type and quantity	8 ports in total; 1. uplink: 100BASE-FX, SM-SC; 2. uplink: 100BASE-FX, SM-SC; 6 x standard 10/100 BASE TX, RJ45
Type	RS20-0800S2S2SDAEHH06.0.
Order No.	943 434-019
New version available	Click here for the latest version
More interfaces	
Power supply/signaling contact	1 x plug-in terminal block, 6-pin
V.24 interface	1 x RJ11 socket
USB interface	1 x USB to connect the AutoConfiguration Adapter ACA21-USB
Network size - length of cable	
Single mode fiber (SM) 9/125 µm	0 - 32,5 km, 16 dB link budget at 1300 nm, A = 0,4 dB/km, 3 dB reserve, D = 3,5 ps/(nm x km)
Network size - cascading	
Line - / star topology	any
Ring structure (HIPER-Ring) quantity switches	50 (reconfiguration time < 0.3 sec.)
Power requirements	
Operating voltage	12/24/48 V DC (9,6-60) V and 24 V AC (18-30) V (redundant)
Current consumption at 24 V DC	321 mA
Current consumption at 48 V DC	161 mA
Power output in Btu (IT) h	26.3
Software	
Management	Serial interface, web interface, SNMP V1/V2, HiVision file transfer SW HTTP/TFTP
Diagnostics	LEDs, log-file, syslog, signal contact, RMON (statistic, history, alarms, events), port mirroring, topology discovery 802.1AB
Configuration	Comand Line Interface (CLI), TELNET, BootP, DHCP, DHCP Option 82, HiDiscovery, auto-configuration adapter (ACA11, ACA21-USB), watchdog configuration
Security	Port Security (IP und MAC) with multiple addresses, SNMP V3 (no encryption)
Redundancy functions	HIPER-ring (ring structure), MRP (IEC-ring functionality), RSTP 802.1D-2004, redundant network/ring coupling, MRP and RSTP in parallel, redundant 24 V power supply
Filter	QoS 4 classes, port prioritisation (IEEE 802.1D/p), VLAN (IEEE 802.1Q), shared VLAN learning, multicast (IGMP Snooping/Querier), multicast detection unknown multicast, broadcastlimiter, fast aging
Industrial Profiles	EtherNet/IP and PROFINET (2.2 PDEV, GSDML stand-alone generator, automatic device exchange) profiles included, configuration and diagnostic via automation software tools like e.g. STEP7, or Control Logix
Time synchronisation	SNTP client/server, PTP / IEEE 1588
Flow control	Flow control 802.3x, port priority 802.1D/p, priority (TOS/DIFFSERV)
Presettings	Standard
Ambient conditions	
Operating temperature	0 °C ... 60 °C
Storage/transport temperature	-40 °C ... 70 °C
Relative humidity (non-condensing)	10 % ... 95 %
MTBF	33.6 years (MIL-HDBK-217F)
Protective paint on PCB	No

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Mechanical construction
Dimensions (W x H x D) 74 mm x 131 mm x 111 mm

Mounting DIN Rail

Weight 410 g

Protection class IP20

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) 6 kV contact discharge, 8 kV air discharge

EN 61000-4-3 electromagnetic field 10 V/m (80-1000 MHz)

EN 61000-4-4 fast transients (burst) 2 kV power line, 1 kV data line

EN 61000-4-5 surge voltage power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line

EN 61000-4-6 conducted immunity 3 V (10 kHz-150 kHz), 10 V (150 kHz-80 MHz)

EMC emitted immunity
FCC CFR47 Part 15 FCC 47 CFR Part 15 Class A

EN 55022 EN 55022 Class A

Approvals
Safety of industrial control equipment cUL 508

Hazardous locations ISA 12.12.01 Class 1 Div. 2

Shipbuilding n/a

Railway norm n/a

Substation n/a

Scope of delivery and accessories
Scope of delivery Device, terminal block, operating manual

For more information please contact:

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