



Product information OpenRail Compact Switch Software Release 1 - RS20-0400T1T1SDAEHH01.0.

Industrial Ethernet:Archive - Industrial Ethernet:Compact configurable managed switches:Compact Managed Switches:OpenRail Compact Switch Software Release 1

<http://e-catalog.hirschmann.com/link/57078-24455-49814-49854-49864-49991/en/RS20-0400T1T1SDAEHH01.0/uistate>

Name	OpenRail Compact Switch Software Release 1
	
	4 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	4 port Fast-Ethernet-Switch, managed, software Layer 2 Enhanced, for DIN rail store-and-forward-switching, fanless design
Port type and quantity	4 ports in total; 1. uplink: 10/100BASE-TX, RJ45; 2. uplink: 10/100BASE-TX, RJ45; 2 x standard 10/100 BASE TX, RJ45
Type	RS20-0400T1T1SDAEHH01.0.
Order No.	943 434-007
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 to connect auto-configuration adapter ACA21-USB
Network size - length of cable	
Twisted pair (TP)	0 m ... 100 m
Network size - cascadiability	
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	221
Current consumption at 48 V DC	111
Power output in Btu (IT) h	18.1
Software	
Management	Serial interface, web-interface, SNMP V1/V2, HiVision file transfer SW HTTP/TFTP
Diagnostics	LEDs (power, link status, data, 100 Mbit/s, autonegotiation, full-duplex, error, redundancy management, ring-port, LED test), log-file, syslog, signal contact, RMON (statistics, history, alarms, events), port mirroring, topology discovery 802.1AB
Configuration	Command line interface (CLI), TELNET, BootP, DHCP, DHCP option 82, HiDiscovery, auto-configuration adapter (ACA21-USB)
Security	Port security (IP and MAC), SNMP V3 (no encryption)
Redundancy functions	HIPER-ring (ring structure), RSTP 802.1w, redundant network/ring coupling, dual homing, redundant 24 V power supply
Filter	QoS 4 classes, prioritisation (IEEE 802.1D/p), VLAN (IEEE 802.1Q), multicast (IGMP snooping/querier), broadcast limiter, fast aging
Industrial Profiles	EtherNet/IP and PROFINET compatible, configuration and diagnostic via automation software tools like e.g. STEP7, or Control Logix
Time synchronisation	SNTP server
Flow control	Flow control 802.3x, port priority 802.1D/p, priority (TOS/DIFFSERV)
Presettings	Standard
Ambient conditions	
Operating temperature	-40 °C ... 60 °C
Storage/transport temperature	-40 °C ... 70 °C
Relative humidity (non-condensing)	10 % ... 95 %
MTBF	75.9 years (MIL-HDBK-217F)
Mechanical construction	
Dimensions (W x H x D)	47 mm x 131 mm x 111 mm
Mounting	DIN Rail
Weight	400 g



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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.; 0.7g, 13.2 Hz - 100 Hz, 90 min.; 3.5 mm, 3 Hz - 9 Hz, 10 cycles, 1 octave/min.; 1g, 9 Hz - 150 Hz, 10 cycles, 1 octave/min.
EMC interference immunity	
EN 61000-4-2 electrostatic discharge (ESD)	6 kV contact discharge, 8kV 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: 2kV (line/earth), 1kV (line/line), 1kV 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 CFR47 Part 15
EN 55022	EN 55022 Class A
Approvals	
Safety of industrial control equipment	cUL 508
Hazardous locations	cUL 1604 Class1 Div 2
Germanischer Lloyd	-
Railway norm	-
Substation	-
Scope of delivery and accessories	
Scope of delivery	Device, terminal block, operating manual

For more information please contact:

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