Hirschmann Automation and Control GmbH

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RS20-0800T1T1SDAEHH01.0.

Industrial Networking:Industrial Ethernet:OpenRail System:Compact:Switches 1.0

Product description	
Description	ETHERNET/Fast ETHERNET-switch according to IEEE 802.3 compact, managed, Industrial switch for DIN rail store-and-forward-switching, fanless design, Software Layer 2 Enhanced
Port type and quantity	8 ports in total; 1. Uplink Port: 10/100BASE-TX, RJ45; 2. Uplink Port: 10/100BASE-TX, RJ45, 6 standard 10/100 BASE TX, RJ45
Type	RS20-0800T1T1SDAEHH01.0.
Order No.	RS20-0800T1T1SDAEHH01.0.
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 - 100 m
Network size - cascadibility	
Line - / star topology	any
Ring structure (HIPER-Ring)	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
Current consumption at 24 V DC	221mA
Current consumption at 48 V DC	111mA
Power outputin 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, alarme, events), port mirroring, topology discovery 802.1AB
Configuration	Comand 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, priorisation (IEEE 802.1D/p), VLAN (IEEE 802.1Q), multicast (IGMP snooping/querier), broadcast limiter, fast aging
Realtime	SNTP server
Flow control	Flow control 802.3x, port priority 802.1D/p, priority (TOS/DIFFSERV)
Ambient conditions	
Operating temperature	0º to +60ºC
Storage/transport temperature	-40º to +70ºC
Relative humidity (non-condensing)	10% to 95%
MTBF	63.3 years
Mechanical construction	
Dimensions (W x H x D)	74 x 131 x 111
Mounting	DIN Rail
Weight	410 g
Protection class	IP20
Mechanical stability	

IEC 60068-2-27 shock	15 g, 11 ms duration, 18 schocks
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
Scope of delivery and accessories	
Scope of delivery	Device, terminal block, operating manual
Accessories to order separately	Rail power supply RPS 30, RPS 80 EEC or RPS 120 EEC, terminal cable, network management HiVision, auto-configuration adapter (ACA21-USB), 19" installation frame