

Hirschmann Automation and Control GmbH





RS20-0400M4M4SDAEHH

Industrial Networking:Industrial Ethernet:OpenRail System:Compact:Switches Software Release

leieuse	
Product description	
Description	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, ports: 4 x FE
Port type and quantity	4 ports in total; 1. Uplink Port: 100BASE-FX, MM-ST; 2. Uplink Port: 100BASE-
	FX, MM-ST, 2 x standard 10/100 BASE TX, RJ45
Гуре	RS20-0400M4M4SDAEHH
Order No.	RS20-0400M4M4SDAEHH
Nore Interfaces	
Power supply/signaling contact	1 x plug-in terminal block, 6-pin
/.24 interface	1 x RJ11 socket
JSB interface	1 x to connect auto-configuration adapter ACA21-USB
Network size - length of cable	
Multimode fiber (MM) 50/125 μ m	0 - 5000 m, 8 dB link budget at 1300 nm, A = 1 d/km, 3 dB reserve, B = 800 MHz x km
Multimode fiber (MM) 62.5/125 μ m	0 - 4000 m, 11 dB link budget at 1300 nm, A = 1 dB/km, 3 dB reserve, B = 500 MHz x km
Network size - cascadibility	
.ine - / star topology	any
Ring structure (HIPER-Ring) quantity	50 (reconfiguration time < 0.3 sec.)
switches	
Power requirements	
Dperating voltage	12/24/48 V DC (9,6-60) V and 24 V AC (18-30) V
Current consumption at 24 V DC	321mA
Current consumption at 48 V DC	161mA
Power outputin Btu (IT) h	26.3
Software	
Vlanagement	Serial interface, web-interface, SNMP V1/V2, HiVision file transfer SW
	HTTP/TFTP
Diagnostics	LEDs, log-file, syslog, signal contact, RMON, port mirroring, topology discovery 802.1AB, disable learning
Configuration	Comand line interface (CLI), TELNET, BootP, DHCP, DHCP option 82,
5	HIDiscovery, auto-configuration adapter (ACA21-USB, ACA11 read support)
Security	Port security (IP and MAC), SNMP V3 (no encryption)
Redundancy functions	HIPER-ring (ring structure), MRP (IEC-ring functionality), 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), multicast detection unknown multicast, broadcast
	limiter, fast aging
Industrial Profiles	EtherNet/IP and PROFINET compatibel, configuration and diagnostic via
	automation software tools like e.g. STEP7, or Control Logix
Realtime	SNTP server
Flow control	Flow Control 802.3x, Port Priority 802.1D/p, Priority (TOS/DIFFSERV)
Presettings	Standard
Ambient conditions	
Operating temperature	0° to +60°C
Storage/transport temperature	-40° to +70°C
Relative humidity (non-condensing)	10% to 95%

The information published has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price related/commercial respect.



Mechanical construction	
Dimensions (W x H x D)	47 x 131 x 111
Mounting	DIN Rail
Weight	400 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)	
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	•
Substation	•
Railway norm	
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

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