

Product information

Compact OpenRail Fast Ethernet Switch 4-25 ports - RS20-0800M2T1SDAEHH07.0.

Industrial Ethernet: Compact configurable managed switches: with Firmware Release 7: Compact OpenRail Fast Ethernet Switch 4-25 ports

<http://www.e-catalog.beldensolutions.com/link/57078-24455-49854-173491-173293/en/RS20-0800M2T1SDAEHH07.0/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, MM-SC; 2. uplink: 10/100BASE-TX, RJ45; 6 x standard 10/100 BASE TX, RJ45
Type		RS20-0800M2T1SDAEHH07.0.
Order No.		943 434-065
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		
Twisted pair (TP)		0 m ... 100 m
Multimode fiber (MM) 50/125 µm		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 µm		0 - 4000 m, 11 dB link budget at 1300 nm, A = 1 dB/km, 3 dB reserve, B = 500 MHz x km
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		271 mA
Current consumption at 48 V DC		136 mA
Power output in Btu (IT) h		22.2
Software		
Management		Serial interface, web interface, SNMP V1/V2, HiVision file transfer SW HTTP/TFTP
Diagnostics		LEDs, log-file, syslog, relay contact, RMON, port mirroring 1:1, topology discovery 802.1AB, disable learning, SFP diagnostic (temperature, optical input and output power, power in dBm)
Configuration		Comand line interface (CLI), TELNET, BootP, DHCP, DHCP option 82, HiDiscovery, easy device exchange with auto-configuration adapter ACA21-USB (automatic software and/or configuration upload), automatic invalid configuration undo,
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 PDE, 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

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Relative humidity (non-condensing)	10 % ... 95 %
MTBF	58.0 years (MIL-HDBK-217F)
Protective paint on PCB	No
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	cUL 1604 Class1 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

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