



RS20-0900MMM2SDAUHH

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

Product description

Description	Fast ETHERNET-switch according to IEEE 802.3 compact, unmanaged, Industrial switch for DIN rail store-and-forward-switching, fanless design, ports: 9 x FE
Port type and quantity	9 ports in total; 1. Uplink Port: 2 x 100BASE-FX, MM-SC; 2. Uplink Port: 100BASE-FX, MM-SC, 6 x standard 10/100 BASE TX, RJ45
Type	RS20-0900MMM2SDAUHH
Order No.	RS20-0900MMM2SDAUHH

More Interfaces

Power supply/signaling contact	1 x plug-in terminal block, 6-pin
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Network size - length of cable

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 - cascading

Line - / star topology	any
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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	496mA
Current consumption at 48 V DC	75mA
Power output in Btu (IT) h	40.6

Service

Diagnostics	LEDs (power, link status, data, error)
Redundancy functions	redundant 24 V power supply

Ambient conditions

Operating temperature	0° to +60°C
Storage/transport temperature	-40° to +70°C
Relative humidity (non-condensing)	10% to 95%
MTBF	42.7 years (MIL-HDBK-217F)

Mechanical construction

Dimensions (W x H x D)	74 x 131 x 111
Mounting	DIN Rail
Weight	440 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.; 0.7g, 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, 19" installation frame