



## RS20-0900NNM4TDAU

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

### Product description

Description	ETHERNET/Fast ETHERNET switch according to IEEE 802.3, compact unmanaged industrial switch for DIN rail, store and forward switching, fanless design
Port type and quantity	Fast Ethernet ports in total: 9; amount standard 10/100BASE TX, RJ45: 6; Gigabit Ethernet ports: 0; 1. Uplink port: 100BASE-FX, MM-ST; 2. Uplink port: 100BASE-FX, MM-ST; 3. Uplink port: 100BASE-FX, MM-ST
Type	RS20-0900NNM4TDAU

### More Interfaces

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

Twisted pair (TP)	0 - 100m
Multimode fiber (MM) 50/125 $\mu$ m	0 - 5000 m, 8 dB link budget at 1300 nm, A = 1 dB/km, 3 dB reserve, B = 800 MHz x km
Multimode fiber (MM) 62.5/125 $\mu$ 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 - 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	350.0 mA
Current consumption at 48 V DC	175.0 mA
Power output in Btu (IT) h	28.7

### Software

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

### Ambient conditions

Operating temperature	-40° to +70°C
Storage/transport temperature	-40° to +85°C
Relative humidity (non-condensing)	10% to 95%
MTBF	30.88 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 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)	4 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: 1 kV (line/earth), 0,5 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

EN 55022

EN 55022 Class A

**Approvals**

Safety of industrial control equipment cUL 508 (pending)

Hazardous locations cUL 1604 class1 div 2 (pending)

**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