



## RS20-1700MMM2SDAUHH

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: 17 x FE
Port type and quantity	17 ports in total; 1. Uplink Port: 2 x 100BASE-FX, MM-SC; 2. Uplink Port: 100BASE-FX, MM-SC, 14 x standard 10/100 BASE TX, RJ45
Type	RS20-1700MMM2SDAUHH
Order No.	RS20-1700MMM2SDAUHH
More Interfaces	
Power supply/signaling contact	1 x plug-in terminal block, 6-pin
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
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	692mA
Current consumption at 48 V DC	75mA
Power output in Btu (IT) h	56.7
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	66.3 years (MIL-HDBK-217F)
Mechanical construction	
Dimensions (W x H x D)	110 x 131 x 111
Mounting	DIN Rail
Weight	630 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
<b>Scope of delivery and accessories</b>	
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