



Hirschmann Automation and Control GmbH



RS20-0900MMM2TDAUHH

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

Delivery informations	
Availability	available
Document created at	08.05.2009
Product description	
Description	9 port Fast Ethernet-switch, unmanaged, for DIN rail store-and-forward-switching, fanless design
Port type and quantity	9 ports in total; 1. Uplink: 2 x 100BASE-FX, MM-SC; 2. Uplink: 100BASE-FX, MM-SC, 6 x standard 10/100 BASE TX, RJ45
Type	RS20-0900MMM2TDAUHH
Order No.	RS20-0900MMM2TDAUHH
More Interfaces	
Power supply/signaling contact	1 x plug-in terminal block, 6-pin
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 - 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 (redundant)
Current consumption at 24 V DC	496 mA
Current consumption at 48 V DC	75 mA
Power output in Btu (IT) h	40.6
Ambient conditions	
Operating temperature	-40° to +70°C
Storage/transport temperature	-40° to +85°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	

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.



Safety of industrial contr	
Hazardous locations	CUL 1004 Class I 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, 19" installation frame