



## Product information Compact OpenRail unmanaged Fast Ethernet switch - RS20-1600M2T1SDAUHH

Industrial Ethernet:Unmanaged Industrial Ethernet Switches:Configurable Unmanaged Switches:Fast Ethernet switches:Compact OpenRail unmanaged Fast Ethernet switch

<http://e-catalog.hirschmann.com/link/57078-24455-49855-50104-80728-329755/en/RS20-1600M2T1SDAUHH/uistate>

Name	Compact OpenRail unmanaged Fast Ethernet switch
	
	16 port Fast-Ethernet-Switch, unmanaged, for DIN rail store-and-forward-switching, fanless design
<b>Delivery informations</b>	
Availability	available
<b>Product description</b>	
Description	16 port Fast-Ethernet-Switch, unmanaged, for DIN rail store-and-forward-switching, fanless design
Port type and quantity	16 ports in total; 1. uplink: 100BASE-FX, MM-SC; 2. uplink: 10/100BASE-TX, RJ45; 14 x standard 10/100 BASE TX, RJ45
Type	RS20-1600M2T1SDAUHH
Order No.	943 434-049
<b>More Interfaces</b>	
Power supply/signaling contact	1 x plug-in terminal block, 6-pin
<b>Network size - length of cable</b>	
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
<b>Network size - cascading</b>	
Line - / star topology	Any
<b>Power requirements</b>	
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	442
Current consumption at 48 V DC	221
Power output in Btu (IT) h	36.2
<b>Ambient conditions</b>	
Operating temperature	0 °C ... 60 °C
Storage/transport temperature	-40 °C ... 70 °C
Relative humidity (non-condensing)	10 % ... 95 %
MTBF	42.6 years (MIL-HDBK-217F)
Protective paint on PCB	No
<b>Mechanical construction</b>	
Dimensions (W x H x D)	110 mm x 131 mm x 111 mm
Mounting	DIN Rail
Weight	600 g
Protection class	IP20
<b>Mechanical stability</b>	
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.
<b>EMC interference immunity</b>	
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)
<b>EMC emitted immunity</b>	
FCC CFR47 Part 15	FCC CFR47 Part 15



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<b>EN 55022</b>	EN 55022 Class A
<b>Approvals</b>	
<b>Safety of industrial control equipment</b>	cUL 508
<b>Hazardous locations</b>	cUL 1604 Class1 Div 2
<b>Germanischer Lloyd</b>	-
<b>Railway norm</b>	-
<b>Substation</b>	-
<b>Scope of delivery and accessories</b>	
<b>Scope of delivery</b>	Device, terminal block, operating manual

For more information please contact:

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