



Product information
Compact OpenRail unmanaged Fast Ethernet switch -
RS20-1600L2M2SDAUHH
943 434-055

Name	
Compact OpenRail unmanaged Fast Ethernet switch	
	
16 port Fast-Ethernet-Switch, unmanaged, for DIN rail store-and-forward-switching, fanless design	
Delivery informations	
Availability	available
Product description	
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, LHSM-SC; 2. uplink: 100BASE-FX, MM-SC; 14 x standard 10/100 BASE TX, RJ45
Type	RS20-1600L2M2SDAUHH
Order No.	943 434-055
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
Single mode fiber (LH) 9/125 µm (long haul transceiver)	24 - 86,6 km, 7 - 29 dB link budget at 1550 nm, A = 0,3 dB/km, 3 dB reserve, D = 19 ps/(nm 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	492
Current consumption at 48 V DC	246
Power output in Btu (IT) h	40.3
Ambient conditions	
Operating temperature	0 °C ... 60 °C
Storage/transport temperature	-40 °C ... 70 °C
Relative humidity (non-condensing)	10 % ... 95 %
MTBF	34.9 years (MIL-HDBK-217F)
Protective paint on PCB	No
Mechanical construction	
Dimensions (W x H x D)	110 mm x 131 mm x 111 mm
Mounting	DIN Rail
Weight	600 g
Protection class	IP20
Mechanical stability	
IEC 60068-2-27 shock	15 g, 11 ms duration, 18 schocks
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)

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.



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
Germanischer Lloyd	-
Railway norm	-
Substation	-
Scope of delivery and accessories	
Scope of delivery	Device, terminal block, operating manual

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