



Product information
Compact OpenRail unmanaged Fast Ethernet switch -
RS20-1600L2S2SDAUHH
943 434-056

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, SM-SC; 14 x standard 10/100 BASE TX, RJ45
Type	RS20-1600L2S2SDAUHH
Order No.	943 434-056
More Interfaces	
Power supply/signaling contact	1 x plug-in terminal block, 6-pin
Network size - length of cable	
Single mode fiber (SM) 9/125 µm	0 - 32,5 km, 16 dB link budget at 1300 nm, A = 0,4 dB/km, 3 dB reserve, D = 3,5 ps/(nm 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	29.3 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 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

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.



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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