



Product: RS20-1600L2S2SDAU

Configurator: RS20/30 Unmanaged Switch configurator

Configurator Description

The RS20 compact OpenRail unmanaged Ethernet switches can accommodate from four to twenty-five port densities and are available with Fast Ethernet Uplink Ports, All Copper, or one to two Fiber Ports, or three Fiber ports. The fiber ports are available in multi-mode and/or single-mode. The RS30 compact OpenRail unmanaged Ethernet switches can accommodate from ten to twenty-six port densities with eight, sixteen or twenty-four Fast Ethernet ports and two Gigabit Uplink Ports.

Technical Specifications

Product description

Description	Unmanaged Fast-Ethernet-Switch for DIN rail store-and-forward-switching, fanless design
Part Number	943434056
Availability	no longer available
Port type and quantity	16 ports in total: 14 x standard 10/100 BASE TX, RJ45 ; Uplink 1: 1 x 100BASE-FX, LH SM-SC ; Uplink 2: 1 x 100BASE-FX, SM-SC

More Interfaces

Power supply/signaling contact	1 x plug-in terminal block, 6-pin
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Network size - length of cable

Twisted pair (TP)	Port 1 - 14: 0 - 100 m
Single mode fiber (SM) 9/125 µm	Uplink 2: 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)	Uplink 1: 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 - cascadiability

Line - / star topology	any
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Power requirements

Operating Voltage	12/24/48V DC (9,6-60)V and 24V AC (18-30)V (redundant)
Power consumption	max. 11.8 W
Power output in BTU (IT)/h	max. 40.3

Ambient conditions

Operating temperature	0-+60 °C
Storage/transport temperature	-40-+70 °C
Relative humidity (non-condensing)	10-95 %

Mechanical construction

Dimensions (WxHxD)	110 mm x 131 mm x 111 mm
Weight	600 g
Mounting	DIN Rail
Protection class	IP20

Mechanical stability

IEC 60068-2-6 vibration	1 mm, 2 Hz-13.2 Hz, 90 min.; 0.7 g, 13.2 Hz-100 Hz, 90 min.; 3.5 mm, 3 Hz-9 Hz, 10 cycles, 1 octave/min.; 1 g, 9 Hz-150 Hz, 10 cycles, 1 octave/min
IEC 60068-2-27 shock	15 g, 11 ms duration, 18 shocks

EMC interference immunity

EN 61000-4-2 electrostatic discharge (ESD)	6 kV contact discharge, 8 kV 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: 2 kV (line/earth), 1 kV (line/line), 1 kV data line
EN 61000-4-6 Conducted Immunity	3 V (10 kHz-150 kHz), 10 V (150 kHz-80 MHz)

EMC emitted immunity

EN 55032	EN 55032 Class A
FCC CFR47 Part 15	FCC 47CFR Part 15, Class A

Approvals

Basis Standard	CE, FCC, EN61131
Safety of industrial control equipment	cUL 508
Hazardous locations	cULus ISA12.12.01 class1 div.2 (cUL 1604 class1 div.2)

Scope of delivery and accessories

Accessories	Rail Power Supply RPS30, RPS60, RPS90 or RPS120, 19"-DIN rail adapter
Scope of delivery	Device, terminal block, General safety instructions

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