



RS20-1600L2L2SDAU

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

Product description

Description ETHERNET/Fast ETHERNET switch according to IEEE 802.3, compact unmanaged industrial switch for DIN rail, store and forward switching, fanless design

Port type and quantity Fast Ethernet ports in total: 16; amount standard 10/100BASE TX, RJ45: 14; Gigabit Ethernet ports: 0; 1. Uplink port: 100BASE-FX, LH-SC; 2. Uplink port: 100BASE-FX, LHSM-SC

Type RS20-1600L2L2SDAU

Order No. 943 434-057

More Interfaces

Power supply/signaling contact 1 x plug-in terminal block, 6-pin

Network size - length of cable

Twisted pair (TP) 0 - 100m

Single mode fiber (LH) 9/125 μ m (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 - cascability

Line - / star topology Any

Power requirements

Operating voltage 12/24/48 V DC (9,6-60) V and 24 V AC (18-30) V

Current consumption at 24 V DC 492 mA

Current consumption at 48 V DC 246 mA

Power output in Btu (IT) h 40.3

Software

Diagnostics LEDs (power, link status, data, error), signal contact

Redundancy functions redundant 24 V power supply

Ambient conditions

Operating temperature 0° to +60°C

Storage/transport temperature -40° to +70°C

Relative humidity (non-condensing) 10% to 95%

MTBF 30.88 years

Mechanical construction

Dimensions (W x H x D) 110 x 131 x 111

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) 4 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: 1 kV (line/earth), 0,5 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



FCC CFR47 Part 15

EN 55022

EN 55022 Class A

Approvals

Safety of industrial control equipment

cUL 508 (pending)

Hazardous locations

cUL 1604 class1 div 2 (pending)

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