



RS20-1600L2T1SDAU

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: 10/100BASE-TX, RJ45
Type	RS20-1600L2T1SDAU
Order No.	943 434-054
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 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
Current consumption at 24 V DC	442 mA
Current consumption at 48 V DC	221 mA
Power output in Btu (IT) h	36.2
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	36.77
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

FCC CFR47 Part 15 Class A

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