



Product: RS20-2400T1T1SDAUHH

Configurator: RS20/30 Unmanaged Switches

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
Port type and quantity	24 ports in total: 22 x standard 10/100 BASE TX, RJ45 ; Uplink 1: 1 x 10/100BASE-TX, RJ45 ; Uplink 2: 1 x 10/100BASE-TX, RJ45

More Interfaces

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

Network size - length of cable

Twisted pair (TP)	Port 1 - 22: 0 - 100 m \\\ Uplink 1: 0 - 100 m \\\ Uplink 2: 0 - 100 m
-------------------	--

Network size - cascading

Line - / star topology	any
------------------------	-----

Power requirements

Operating Voltage	12/24/48V DC (9,6-60)V and 24V AC (18-30)V (redundant)
Power consumption	max. 14.5 W
Power output in BTU (IT)/h	max. 52.9

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	650 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

© 2020 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.