



RS2-TX

Industrial Networking:Industrial Ethernet:Rail Family:Unmanaged Rail Switches Automation and Network Solutions

Description Unmanaged Industrial ETHERNET Rail Switch,
store and forward switching mode,
Ethernet (10 Mbit/s) and Fast-Ethernet (100 Mbit/s)
Port type and quantity 8 x 10/100Base-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation,
auto-polarity
Type RS2-TX
Order No. 943 686-003

Power supply/signaling contact 1 plug-in terminal block, 5-pin

Twisted pair (TP) 0 - 100 m

Line - / star topology any

Operating voltage 24 V DC (-25% to +30%)
Current consumption at 24 V DC max. 290 mA

Diagnostics LEDs (power, link status, data, error),
signal contact / fault relais (24 V DC / 1 A)

Redundancy functions redundant 24 V power supply

Operating temperature 0°C to +60°C
Storage/transport temperature -25 °C to +70 °C
Relative humidity (non-condensing) 10% to 95%
MTBF 61 years; MIL-HDBK 217F: Gb 25 °C

Dimensions (W x H x D) 47 mm x 135 mm x 111 mm
Mounting DIN Rail 35 mm
Weight 230 g
Protection class IP20

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.

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)

FCC CFR47 Part 15 FCC CFR47 Part 15 Class A
EN 55022 EN 55022 Class A

Safety of industrial control equipment cUL 508 (E175531)
Hazardous locations cUL 1604 Class 1 Div 2 (E203960)
Safety of information technology equipment cUL 60950 (E168643)
1/2
Germanischer Lloyd Germanischer Lloyd (15 662 - 00 HH)

Scope of delivery device, terminal block, operating manual
Accessories to order separately rail power supply RPS 30, RPS 60 or RPS 120, 19" installation frame
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