

RS2-4R XXX

Description: Redundancy Industrial ETHERNET Rail Switch, store and forward switching mode, Ethernet (10 Mbit/s) and Fast-Ethernet (100 Mbit/s) Port type and quantity 4 x 10/100BASE-TX, TP cable, RJ45 sockets, auto-crossing, auto-negotiation, auto-polarity, + 2 additional ports according to type

Type: RS2-4R, RS2-4R 1MMSC, RS2-4R 1SMSC, RS2-4R 1LHSC, RS2-4R 2MMSC, RS2-4R 2SMSC, RS2-4R 2LHSC



More Interfaces:

Power supply/signaling contact 1 plug-in terminal block, 6-pin
V.24 interface 1 x RJ11 socket
Standby port 1 x RJ45 socket

Network size - length of cable:

Twisted pair (TP) 0 - 100 m

Network size - cascading:

Line - / star topology any
Ring structure (HIPER-Ring) 50 (reconfiguration time < 0.5 sec.)

Power requirements:

Operating voltage 24 V DC (-25% to +30%)
Current consumption at 24 V DC max. 190 mA

Service:

Management serial interface, web interface SNMP v1/v2/v3, HiVision
Diagnostics LEDs (power, error, redundancy manager, link status, data),
signal contact / fault relays (24 V DC / 1 A), RMON (statistics, history, alarms, events),
port mirroring, MAC- address table, logfile
Configuration terminal SW, BOOTP, DHCP, DHCP option 82, auto-configuration adapter (ACA 11), HiDiscovery
Security port security
Other services prioritisation (IEEE 802.1D/p), broadcast limiter, SNTP (simple network time protocol), flow control (IEEE 802.3)

Redundancy:

Redundancy functions HIPER-Ring (ring structure), RSTP (rapid spanning tree protocol),
redundant
network/ring coupling, dual homing, redundant 24 V power supply

Ambient conditions:

Operating temperature -40 °C to +70 °C
Storage/transport temperature -40 °C to +85 °C
Relative humidity (non-condensing) 10% to 95%

Mechanical construction:

Dimensions (W x H x D) 47 mm x 135 mm x 111 mm
Mounting DIN Rail 35 mm
Weight 275 g
Protection class IP 20

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) 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:

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

Approvals:

Safety of industrial control equipment cUL 508 (E175531) in preparation
Hazardous locations cUL 1604 Class 1 Div 2 (E203960) in preparation
Germanischer Lloyd Germanischer Lloyd (15 662 - 00 HH) in preparation

Scope of delivery and accessories:

Scope of delivery device, terminal block, operating manual
Accessories to order separately rail power supply RPS 30, RPS 60 or RPS 120, terminal cable,
HiVision network management, auto-configuration adapter (ACA 11), 19" installation frame