



FlexLink RSC201 Series

...designed for perfect signals



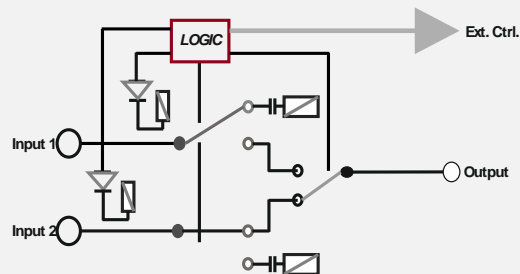
Single & Quad Broadband Redundancy Switches

The FlexLink RSC201 series represents professional 2:1 redundancy switches in 1RU/19" rack mount design operating at a broadband frequency range of 5 – 2500MHz. The units are available as single (1 x 2:1) and quad (4 x 2:1) redundancy switches.

The FlexLink RSC201 2:1 redundancy switch's output port can be switched to one input port manually or automatically while all input signals are individually monitored considering the predefined threshold level. The units provide alarming and also controls the switching independently. The unit is designed to allow redundancy switching between an active unit to a back-up unit so to assure permanent and stable RF signal availability.

The FlexLink RSC201 also features 1:1 redundant dual power supply, a front-panel status LED and LC-Display/keypads for user-friendly local configuration. Remote access and configuration can be done via a rear side Ethernet-Interface (WebGUI/SNMP) while it can also be integrated into a third party management and control system (NMS or M&C) via SNMP.

This FlexLink RSC201 redundancy switches are perfectly suited for integration in Teleports, Satellite Earth-Stations as well as Broadcasting and Cable/IPTV headend architectures providing excellent and stable performance during operation while highest RF performance is assured.



FEATURES & BENEFITS

- ▶ Broadband frequency range 5 – 2500MHz
- ▶ Available as single (1 x 2:1) and quad (4 x 2:1) redundancy switches in 1RU/19"
- ▶ Autonomous manual and automatic redundancy switching
- ▶ RF power monitoring & Threshold level control @ all inputs
- ▶ Remote and front-panel alarm monitoring/control
- ▶ Various beneficial Options
 - ▶ RC Option: Remote sense alarm interface input DB9 (only Single Unit)
 - ▶ ARS Option: Auto reverse/fallback switching function (manually & automatically)

- ▶ 1:1 redundant dual power supply
- ▶ Front-panel status LED
- ▶ Local configuration & monitoring via front-panel LC-Display/keypads
- ▶ Remote configuration & monitoring via rear-panel Ethernet-Interface (WebGUI, SNMP), RS232*

*upon request only

TECHNICAL SPECIFICATIONS

| | |
|---------------------------------|--|
| Dimensions: | 1RU/19" rack mount, 400mm deep |
| Power Supply: | 85 – 230V, 50/60Hz, 1:1 redundant |
| Power Consumption: | <10W |
| Frequency Range: | 5 – 2500MHz |
| Frequency Response: | ±0,2dB @ 70MHz, ±0,5dB max. @ Extended L-Band, ± 0,75dB @ Full Band*** |
| Switching Configuration: | Autonomous switching, manually or automatically |
| Switching Cycles: | 10E6 min. |
| Switching Type: | Solid state |
| Impedance/Connectors: | 50Ohm SMA(f) or 75Ohm F(f) or 75Ohm BNC(f) |
| Insertion Loss: | 3.0dB max. @ 2,5GHz |
| Nominal Power: | 20dBm |
| I/O Return Loss: | 14dB min. |
| Isolation: | 60 dB @ 2GHz |
| Damage Level: | +30dBm |
| RF Power Monitoring: | -40dBm to +10dBm dynamic range, threshold level control f. automatic switching |
| Alarming/Monitoring: | Remote & front-panel alarm, monitoring & control |
| Local Control: | LC-Display/keypads, Status LED |
| Remote Control: | Ethernet-Interface (WebGUI, SNMPv2c); RS232 interface |
| Operating Temperature: | 0°C to 45°C |
| Storage Temperature: | -10°C to 65°C |
| Humidity: | 90%, non-condensing |
| RoHS: | Compliant |

*** BNC 50 and 75Oh, performance degradation by additional 1dB

ORDER INFORMATION

| Type | Type No.: | Short Description | I/O Connectors |
|-----------------------|------------|---|----------------|
| FlexLink RSC201-1-50S | 9000400 | Broadband Single Redundancy Switch unit, 1 x 2:1 rear-side, 5 – 2500MHz, 1RU/19" rack mount, 1:1 redundant PSU, Status LED's, Ethernet (WebGUI, SNMP) | 50Ohm SMA(f) |
| FlexLink RSC201-1-50B | on request | | 50Ohm BNC(f) |
| FlexLink RSC201-1-75F | 9000894 | | 75Ohm F(f) |
| FlexLink RSC201-1-75B | 9001044 | | 75Ohm BNC(f) |
| FlexLink RSC201-4-50S | 9000668 | Broadband Quad Redundancy Switch unit, 4 x 2:1 rear-side, 5 – 2500MHz, 1RU/19" rack mount, 1:1 redundant PSU, Status LED's, Ethernet (WebGUI, SNMP) | 50Ohm SMA(f) |
| FlexLink RSC201-4-50B | on request | | 50Ohm BNC(f) |
| FlexLink RSC201-4-75F | 9000892 | | 75Ohm F(f) |
| FlexLink RSC201-4-75B | on request | | 75Ohm BNC(f) |

OPTIONS

| Type | Type No.: | Short Description |
|----------------------------|-----------|--|
| FlexLink RSC201-RC Option | 9000898 | Remote Sense Input DB9(f), rear-panel, for redundancy switching controlled by external devices. Available only for RSC201 50/75Ohm 1-way |
| FlexLink RSC201-ARS-Option | 9000925 | Auto reverse/fallback switching function, manually & automatically (not in combination with RC-Option) |