# Modular Redundancy Switch N:1 RSCM 



The WORK Microwave Redundancy Switch System $\mathrm{N}: 1$ can be configured for redundancy configurations with a maximum of eight main units and one spare unit. The redundancy system can be used for Upconverters and Downconverters.

The core of the solution is based on a highly flexible control unit. The required coaxial transfer switches, waveguide transfer switches, and signal splitters are mounted on separate panels or within an outdoor housing. When used in a rack mount installation, redundant switching panels can be added to the system in a modular way if the number of required channels increases over time.

The system can be configured from the front panel of the controller or remotely via RS232, RS422/485, or TCP/IP over Ethernet.

The switching system can be set in automatic mode, whereby an automatic switchover to the spare unit is performed upon detection of an alarm generated by the main unit. In addition, a manual switchover to the spare unit and back can be initiated.

Two power supplies and two AC input connectors within the controller unit guarantee high availability.
The Redundancy Switch System is also available with integrated uplink power control (Option UPC). For functional details see separate datasheet for Remote Control Unit / Satellite Uplink Power Control Unit.


2:1 Modular Redundancy Switch System with RSCM-2

## Modular Redundancy Switch N:1

RSCM


Specifications are subject to change

## Modular Redundancy Switch N:1 RSCM

Order Information:
RSCM-[Number of signal channels]-[Input Switch Type]-[Output Switch Type]-[Options]

Possible Options are:
OD with outdoor switch unit, available only for two channels on RSCM
UPC Uplink Power control included
VFD VF Display
L Controller housing depth 470 mm

## Examples:

RSCM-2-50K50K-50K Modular 2:1 System with two $50 \Omega 18$ GHz Input Transfer Switches and one $50 \Omega 18 \mathrm{GHz}$ Output Transfer Switch per channel for converters with two inputs
RSCM-2-50K-50K-OD 2:1 Outdoor system with $50 \Omega 18 \mathrm{GHz}$ Input and Output Transfer Switches

