

# Data Sheet



AS - 3000 / Art. No.: 5059



The antenna switch **AS-3000** is an electrically operated switch for two antennas. The unit is built into a weatherproof housing with mast mount. The switch is equipped with a highly loadable power relay, which is built into a weatherproof UV-resistant plastic housing. The lower part consists of a solid aluminium-angle mit zinc plated clamps for installation at the mast. The switch is suitable from DC to 3000 MHz.

#### Installation:

The UHF-sockets should face downwards, so no water can enter at the connections.

#### Electrical connection:

At the bottom side of the antenna switch three N-sockets offer connections to the antennas and a common download. The antenna connections are labelled as **1 (normally-closed contact)** and **2 (Working contact)**.

The DC-contact is supplied via the included 4 pole connector, whereat the PINS 1 + 2 are the Plus pole and 3 + 4 represent the Minus pole. We recommend to use a shielded control cable, like RG 178 or RG 58. Interference effects caused to the switch or the connected power supply by external noise sources as well as by own HF-transmissions are avoided safely herewith.

#### Technical Data

Frequency range	DC...3000 MHz
Switching positions	2
Insertion loss,typ	0.01 dB / 150 MHz 0.02 dB / 500 MHz 0.025 dB / 1000 MHz 0.03 dB / 2000 MHz < 0.1 dB / 3000 MHz
Isolation	>60 dB / 2,5 GHz
Standing wave ratio	< 1.2 : 1
Power handling capacity	1000 W/2m; 800 W/70cm 500 W/23cm; 250 W/13cm
Connection norm	Typ „N“
Switching voltage	12 V bei 250mA
Mast diameter	58mm max.

Do not open the unit. It does not contain any parts needing maintenance. If you need help regarding technical matters, please contact our team:

[technik@ssb-electronic.de](mailto:technik@ssb-electronic.de)

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## Disposal of your old appliance



This product is covered by the European Community directive 2002/96/EC. 2.

All electrical and electronic products should be disposed of separately from the municipal waste stream via designated collection facilities appointed by

the government or by the local authorities. The correct disposal of your old appliance will help prevent potential negative consequences for the environment and the human health. For more detailed information about the disposal of your old appliance, please consult your city office, waste disposal service or the shop where you purchased the product. Within Germany, the above regulations are also valid for the disposal of batteries and accumulators accordingly.

## Declaration of Conformity



Herewith we declare that this product complies with all relevant regulations for the product within the guidelines 73/23/EWG, 89/336/EWG and 99/5/EG of the Council:

**EN 301 489-15** Electromagnetic compatibility and Radio Spectrum Matters (ERM) Electromagnetic Compatibility (EMC) standard for radio equipment and services. Part 15: specific conditions for commercially available amateur radio equipment.

**EN 301 783-1** Electromagnetic compability and Radio Spectrum Matters (ERM); Land Mobile Service; commercially available amateur radio equipment. Part 1: technical characteristics and methods of measurement.

**EN 301 783-2** Electromagnetic compability and amateur radio equipment. Part 2: harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive.

**EN 60950-1:2001** Information technology equipment – safety. Part 1: General requirements.

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