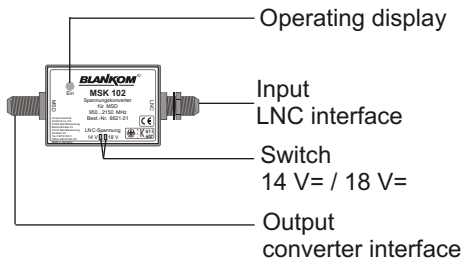


PRODUCT VARIANTS

MSK 102	8621.01	SAT - IF	SAT - IF	[950 ... 2050 MHz]
		14 V / 18 V		



GENERAL

The LNC voltage converter MSK 102 is a module of the head end system C - Line, which is conceived as a complete system for the smaller sized distribution network.  
The module enables the feeding of LNC types with 14 V or 18 V operating voltage.

Fig. 01

FUNCTION DESCRIPTION

The LNC voltage converter is produced for the production of higher operating voltage for the LNCs in the C - Line head ends.  
At the inputs of the twin converter STC x9x of the C - Line head end, the operating status is always at 12 V supply voltage for The LNC supply. A LNC with deviated operating voltage can, with the insertion of a LNC voltage converter MSK 102 between the outside unit and the inputs of the appropriate converter, also work with these LNC types. The appropriate voltage (14 V or 18 V) for the LNC has to be adjusted at the switch. The SAT - IF signal will be looped through low-loss. A LED displays the operating status.

Additional information:

Block diagram

(Fig. 02)

Mounting example

(Fig. 03)

BLOCK DIAGRAM

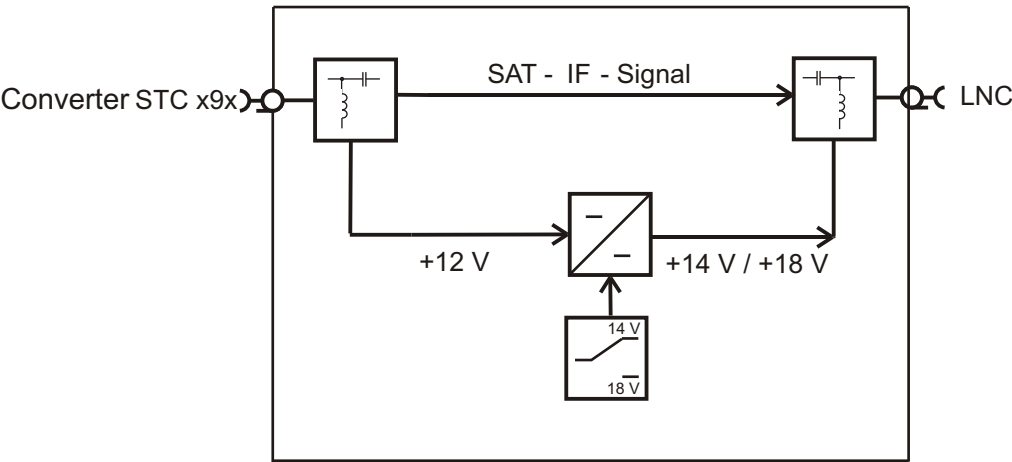


Fig. 02

## TECHNICAL DATA

Input voltage	12 V= (minus mass)
Output voltage	14 V= / 18 V= (switchable)
Max. output current	400 mA
Connector	F socket
Frequency range	950 ... 2.050 MHz
Through loss	<1 dB
Shielding measure	>75 dB

### Environmental conditions

Temperature range	-10 ... +55 °C
Relative humidity	max. 60 % (non condensing)

## MOUNTING EXAMPLE

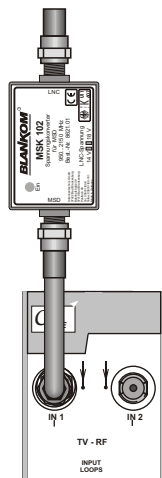


Fig. 03

## MOUNTING

The voltage converter MSK 102 will be mounted at a suitable place between the receiver and the outside unit. The attachment will be done at the inside of the cabinet. At the switch, the necessary LNC voltage has to be adjusted. If the device is turn on, the green LED displays the ready status of the voltage converter.

The mounting and the interconnection of the device has to be done without voltage supply. Because of eventually possible short-circuits of the operating voltage, a reset of the device should be done in any case (interruption of the main voltage).

## SECURITY AND OPERATING INSTRUCTIONS

**STOP** When assembling, starting-up and adjusting the modules, it is necessary to consider the system specific references in the manual instruction!

- ⚠ The modules may only be installed and started up by authorized technical personnel!
- ⚠ When assembling the modules into the receiving points, the adherence of the EMV regulations is to be secured!
- ⚠ The assembly and wiring have to be done without voltage!
- ⚠ All active modules may only be operated with the head end controller HCB 100 or bus extender BEB 100!
- ⚠ The main voltage for all power supply units is 230 V, 50 Hz.
- ⚠ With all work the defaults of the DIN EN 50083 have to be considered!  
Especially the safety relevant execution of the DIN EN 50083/1 is necessary!

