

## SIGNAL FILTERING MODULE

These modules are designed to filter digital and analogue data and signal lines into shielded rooms and cabins.



For maximum flexibility, the modules can be delivered from 8 up to 50 lines per module.

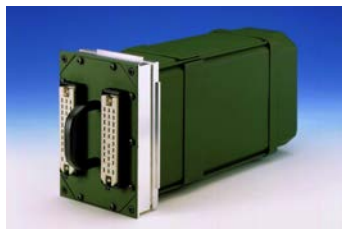
Due to high insertion loss and screen absorption they can be used for EMC and TEMPEST demands.

- Qualified according to German military standard VG 96903, 50 kA 10/350  $\mu$ s per module
- Applicable in „MOSAK“ infeed cases
- Modular set-up, hence:
  - customised configurations with short delivery deadline and good serial prices
  - fast maintenance and repair on site
  - easy logistics due to uniform sub-modules

The ever-progressive cross-linkage of shielded cabins or vehicles requires an adaptation of the filter modules to the most different digital and analogue communication and data lines. In addition, the amount of equipment per project is reduced due to minimal financial resources.

The filter modules minimise the procurement costs because they can be configured freely and the series lightning protection cases become unnecessary due to the full lightning current carrying capacity per cable according to mil. standard VG 96901 part 4.

The necessary logistics of just a few sub-modules and the possibility of maintenance on site reduce the life-time costs and increase the system readiness.



**Complete module lightning, over-voltage, NEMP protection and EMC filter**



**Lightning, over-voltage and NEMP protection module**

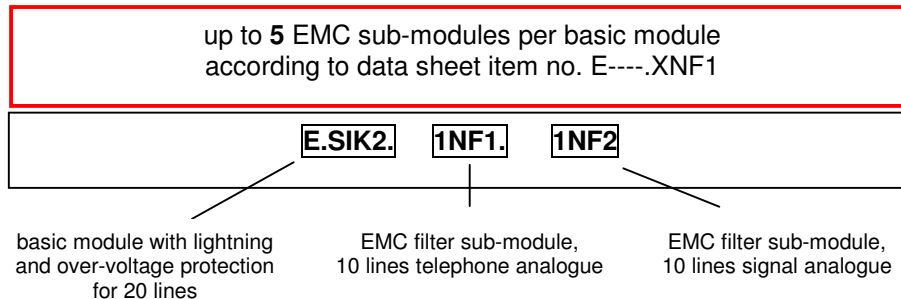


**EMC filter module**

## SIGNAL FILTERING MODULE

As a standard, basic modules are available

- for unshielded lines with a discharge current of 50 kA 10/350  $\mu$ s for the total module and
- for shielded lines 0.1 - 4 kA 8/20  $\mu$ s depending on the rated voltage per wire!



In the basic modules the prices for in and outlet sockets and/or press clamps and motherboard for the corresponding EMC sub-modules are included.

The configuration of the plugs can be user defined within the measures of the front plate and the cover on the back.

Customised signal modules can be delivered up to a maximum by equipping them with the corresponding EMC sub-modules.

A basic module can be equipped with 5 user defined EMC sub-modules.

EMC sub-modules with different filter curves, number of lines, power, voltage and adjustments are available as standard.

X = number of sub-modules in one basic module



telephone module



telephone module  
ISDN + analogue



FOC modules



outside loudspeaker  
module



mains filter modules

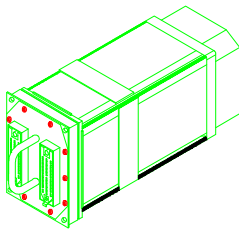


FOC module

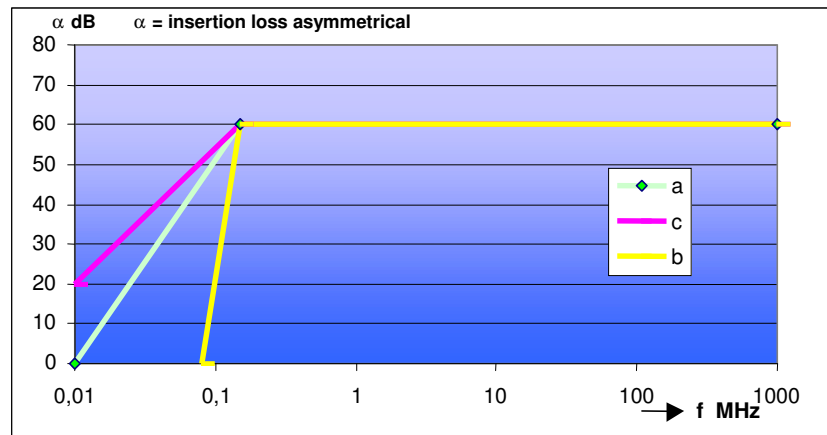
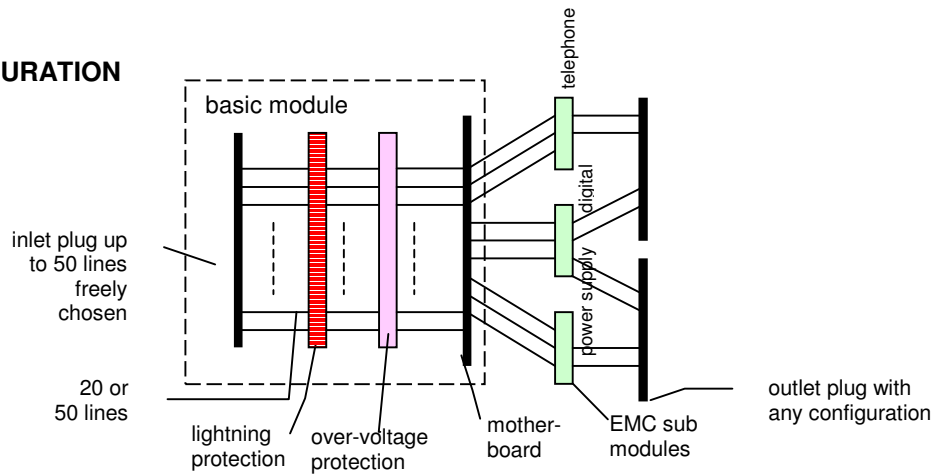
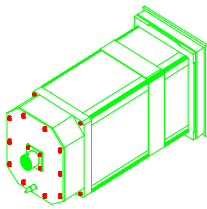
# SIGNAL FILTERING MODULE

## EXAMPLE OF CONFIGURATION

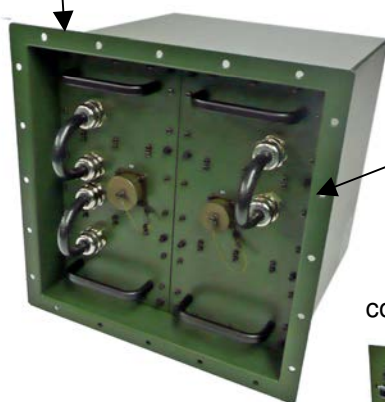
front view



rear view



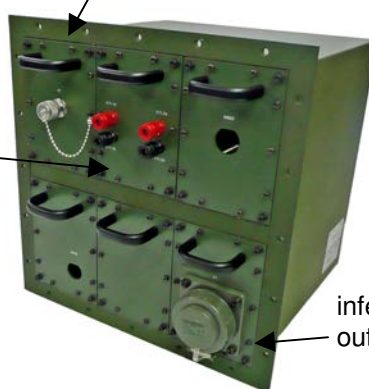
infeed module T2/electrical generator (standard size)



infeed module T2/airco



coax module



telephone module

FOC modules

infeed module outside socket 230 V