



Military - Products

**NEMP- and Lightning protection modules with EMC- Filters for
MIL- Systems**

**Sinus designs, manufactures and supplies protection modules, Power supply –
and data lines - protection for:**

- Analogue Lines $\leq 100\text{kHz}$
- Digital Lines $\leq 2048\text{ Kbits/s}$
- Ethernet Lines $\leq 1\text{Gbit/s}$

Features

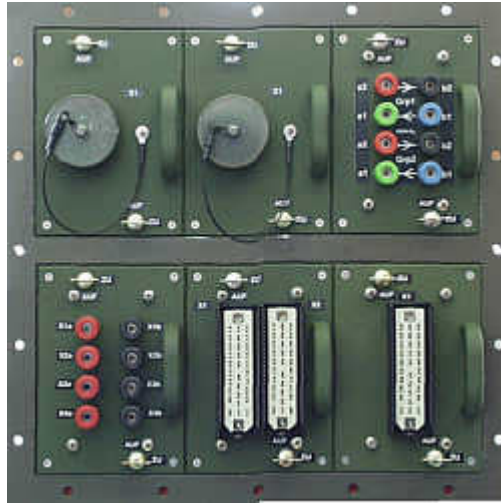
- Insertion loss at blocking region $> 100\text{ dB}$ up to 15 GHz
- Power Lines $\leq 300\text{VDC} / 200\text{Amp}$; $\leq 240\text{VAC} / 200\text{Amp}$
- NEMP- and Lightning protection according VG; STANAG, MIL-STD

Modules with Fibre optic components available

- For fibre optics $9/125\mu\text{m}$ and $50/125\mu\text{m}$ (TL6020 ...)
- electrical - / optical - converter



Our protection modules are used in the following military systems:



AUTOKO I, AUTOKO II, AUTOKO 90, BIGSTAF, GefStdFüSys, PzH 2000, NATO- FmFüSys, GTK, HEROS, ELOKA- Systemen, FüSysFlaRak, PATRIOT, SATCOM, CL289, KZO, LUNA X2000, AVI, Pandur and many others

Filtertechnologie :

- Extremely small with very high damping at blocking range
- Extremely small with very low damping at transmission range
- Filter according to customer specification.



Over-Voltage-Protection :

- Lightning modules with very high current handling but small package
- NEMP – Protection



Case Technologie :

- Extremely flexible case technologie
- Small quantities available
- Many different alloying and colours available



Fibre optics:

- Every length available (in house assembly)
- Fiber-optic cables in 9/125 μm and 50/125 μm

