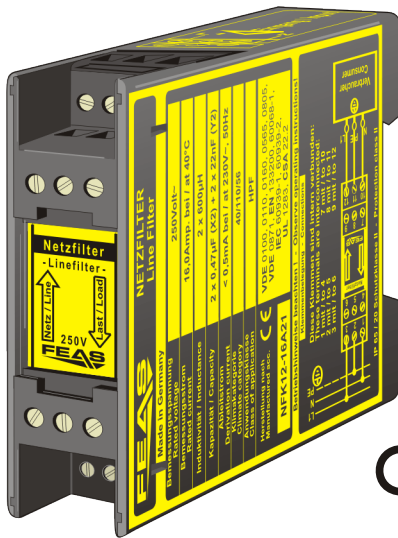


# product specification

## radio interference suppression filter: **NFK12-16A21**



- High insertion loss over a broad frequency range
- Extra slim enclosure design, only 22.5mm wide
- Self-extinguishing polycarbonate housing acc. to UL94V1
- Suitable for the tropics - epoxy resin casted
- Safety acc. to VDE, EN, UL, CSA

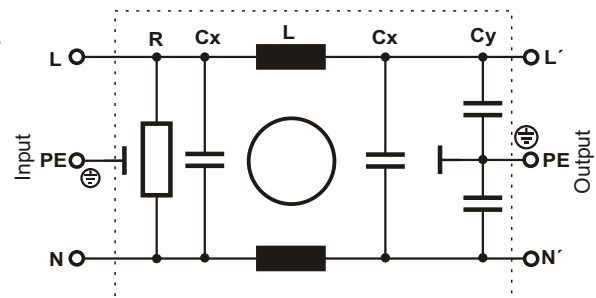
### Application

Filters of the NFK12-16A21 series are used to suppress circuit-bound interferences in AC power lines.

Interference pulses or interference voltages are dampened independently from their point of origin.

The filters are build with 1 stage and have a high insertion loss on a wide frequency range.

### typical connection scheme

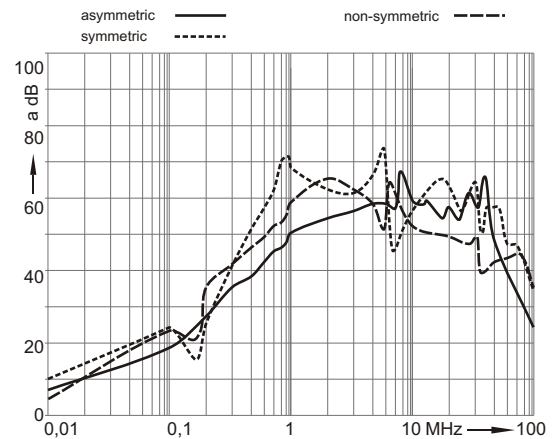


### Functional principle

The filters of the NFK12-16A21 series are connected between the AC voltage supply and the consumer, which is susceptible to interference.

Because of the combination of chokes and film capacitors of the classes "X" and "Y", an effective suppression on a wide frequency range is achieved (typical connection scheme see above).

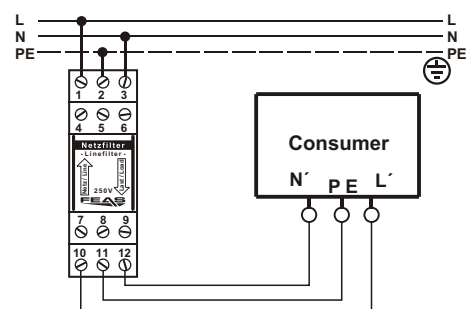
### Insertion loss at 50



### Design

Integrated into a plastics housing for mounting on a rail acc. to DIN 46277.

### connection example



Please read the data sheets  
and the operating instructions  
for further information.