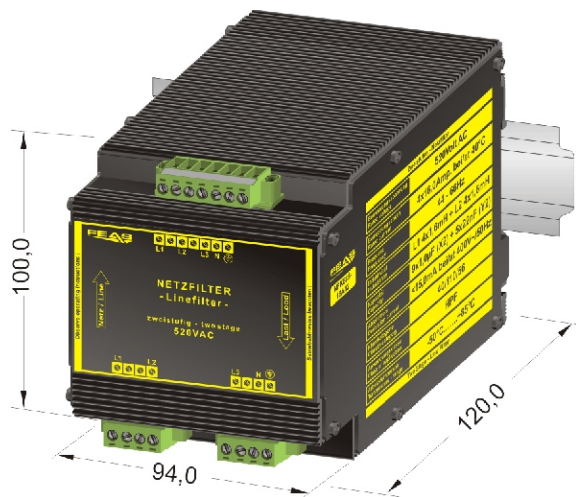


# Radio interference suppression filter 4-Lines 2-Stages Type NFK885-16A42



## Technical data

### Input data

|                     |                                       |
|---------------------|---------------------------------------|
| Rated voltage $U_n$ | see table below                       |
| Frequency           | see table below                       |
| Rated current $I_n$ | see table below                       |
| Overload current    | 1,5 x $I_n$ t < 2 minutes 3 x / hours |
| Inductance $L_n$    | see table below                       |
| Capacity $C_n$      | see table below                       |
| Derivation current  | < 15,0mA at 400V~, 50Hz               |
| Discharge resistor  | 3 x approx. 1M                        |

### Operating data

|                             |   |
|-----------------------------|---|
| Duty circle                 | 100%  |
| Operating temperature range | -50°C to +85°C  |
| Derating                    | -   |
| Storage temperature range   | -50°C to +105°C   |
| Cooling                     | selfcooling<br>recommended respective distance 15 mm each |

### Safety devices

|                     |            |
|---------------------|------------|
| Input fuse          | -          |
| Output fuse         | -          |
| Overload protection | -          |
| MTBF                | >380.000 h |

### Safety data

|                            |   |
|----------------------------|---|
| Test voltage               | 2,5kV- (Conductor - PE)   |
| Protection class           | class 1, with PE connection (EN 60950)  |
| Ambient humidity           | 95% relative humidity, yearly average dewing allowed for use in tropical atmosphere |
| Protection class enclosure | IP 65   |
| Protection class terminals | IP 20 (BGV A3)  |
| Vibration proof            | >30g at 33Hz in X,Y and Z, acc. to IEC 60068-2-27                                   |

### Applied design specifications

|                  |  |
|------------------|--|
| according to VDE | VDE 0100,0110,0113,0140-1,0551,0160/W2,0806  |
| IEC              | IEC 60939-1,IEC60939-2,IEC60068-2-3, IEC 60068-2-11-52,IEC 60529,IEC 380   |
| EN               | EN133200,EN60068-1,EN 60950, EN61000-6-1-2-3-4,EN50178, EN55011,EN50204,EN61558-2-17, EN60204,EN60529, EN61000-4-2-3-4-5-6-8-11, EN60068-1, EN60068-2-1-2-3-6-27-30, EN45501,EN50021 |
| CSA / UL         | CSA-C 22.2 / UL1283, UL94V1  |

### Mechanical data

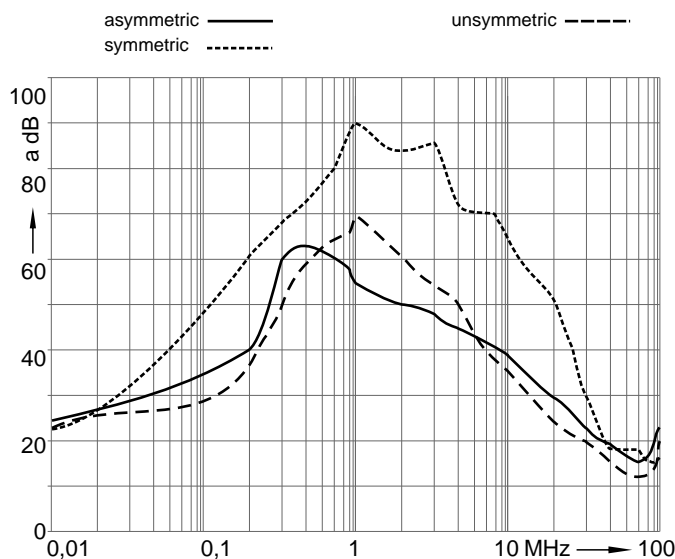
|          |  |
|----------|--|
| Mounting | On rails acc. to DIN 46277 or wallmounting with screws |
|----------|--|

**CE** - compliant

- High insertion loss over a broad frequency range
- Optimised against asymmetric interferences
- Using aluminium enclosure in order to improve the heat conduction
- Suitable for the tropics - Epoxy resin casted
- Safety acc. to VDE, EN, UL and CSA

|                               |                               |
|-------------------------------|-------------------------------|
| <b>Type</b>                   | NFK885-16A42                  |
| <b>Order number</b>           | 51098                         |
| <b>Rated voltage</b>          | 520 V <sub>AC</sub>           |
| <b>Frequency</b>              | 44 - 66 Hz                    |
| <b>Rated current</b>          | 4 x 16,0 A                    |
| <b>Inductance</b>             | L1 4x1,6mH<br>L2 4x1,6mH      |
| <b>Capacity</b>               | 9 x 1,0µF(X2)<br>5 x 22nF(Y2) |
| <b>Dimensions (W x H x D)</b> | 94x100x120                    |
| <b>Weight</b>                 | approx. 2,35 kg               |

## Insertion loss at 50



**FEAS**

P.O. Box 1521  
D - 22905 Ahrensburg

Phone: +49 4102 42082  
Fax: +49 4102 40930

E-mail : contact@feas.com  
Internet: www.feas.com