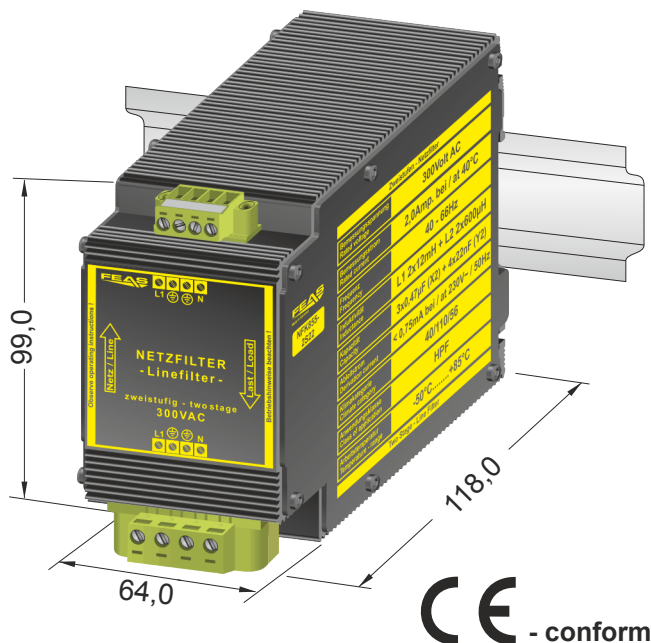


# Radio interference suppression filters

## 2-Lines 2-Stages

### Type NFK855-2S22



- High insertion loss over a broad frequency range
- Optimised against interferences in the lower frequency response
- 2-Stage design in order to improve the filtereffect
- Suitable for the tropics - Epoxy resin casted
- Safety acc. to VDE, EN, UL, CSA

#### Technical Data

##### Electrical data

|                     |  |
|---------------------|--|
| Rated voltage $U_R$ | see table below                              |
| Frequency           | see table below                              |
| Rated current $I_R$ | see table below                              |
| Overload current    | $1,5 \times I_R$ $t < 2$ Min. $3 \times / h$ |
| Inductance $L_R$    | see table below                              |
| Capacity $C_R$      | see table below                              |
| Derivation current  | $< 0,75$ mA at 230V~, 50Hz                   |
| Discharge resistor  | ca. 1M $\Omega$                              |

##### Operating data

|                             |   |
|-----------------------------|---|
| Duty circle                 | 100%                                      |
| Operating temperature range | - 50°C to +85°C                           |
| Derating                    | -   |
| Storage temperature range   | -60°C...+105°C                            |
| Cooling                     | self cooling                              |
|                             | recommended respective distance 15mm each |

##### Safety devices

|                     |            |
|---------------------|------------|
| Fuse for input      | -          |
| Fuse for output     | -          |
| Overload protection | -          |
| MTBF                | >380.000 h |

##### Safety data

|                            |  |
|----------------------------|--|
| Test voltage               | 2,5kV- (Conductor - PE)  |
| Protection class           | Class 1 with PE-Connection (EN 60950)  |
| Extra low safety potential | -  |
| Ambient humidity           | 95% relative humidity, yearly average dewing allowed for use in tropical ambient |
| Protective class enclosure | IP 65  |
| Protective class terminals | IP 20 (VGB4)   |
| Vibration proof            | >30g at 33Hz in X,Y and Z, acc. to IEC 60068-2-27                                |

##### Applied construction regulations

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

##### Mechanics

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

|                               |  |
|-------------------------------|--|
| <b>Type</b>                   | NFK855-2S22                            |
| <b>Rated voltage</b>          | 300VAC                                 |
| <b>Frequency</b>              | 40 - 66Hz                              |
| <b>Rated current</b>          | 2,0Amp. at 40°C                        |
| <b>Inductance</b>             | L1 2x12mH<br>L2 2x600 $\mu$ H          |
| <b>Capacity</b>               | 3 x 0,47 $\mu$ F (X2)<br>4 x 22nF (Y2) |
| <b>Dimensions (W x H x D)</b> | 64x99x118                              |
| <b>Wheight</b>                | approx. 1,10kg                         |
| <b>Order-No.</b>              | 51088                                  |

#### Insertion loss at 50 $\Omega$

