

## Performance filter

## FN 332

- 1 to 10A current ratings
- Compact housing with solder or fast-on connections
- Optional surge voltage protection (Z types)
- Nennströme von 1 bis 10A
- Kompaktgehäuse mit Lötflächen oder Steckzungen
- Optionaler Stoßspannungsschutz (Z-Typen)
- Courants de service de 1 à 10A
- Boîtier compact avec connexions par cosses à souder ou fast-on
- Protection contre les surtensions (types Z)



### Filter selection table

Choose the family FN xxx with the required current rating and features, and add /?? to determine input/output (line/load) connection style. Example: FN 332-6/01 is a 6A filter with solder lug connections.

### Approvals



| Family         | Connections |     | Current ratings at 40°C (25°)<br>A |       | Inductance<br>L<br>mH | Housing | Weight<br>g |
|----------------|-------------|-----|------------------------------------|-------|-----------------------|---------|-------------|
|                |             |     |                                    |       |                       |         |             |
| FN 332 -1 /??  | /01         | /05 | 1                                  | (1.2) | 10                    | G1      | 65          |
| FN 332 -3 /??  | /01         | /05 | 3                                  | (3.6) | 2                     | G1      | 65          |
| FN 332 -6 /??  | /01         | /05 | 6                                  | (7.3) | 0.8                   | G1      | 65          |
| FN 332 -10 /?? | /01         | /05 | 10                                 | (12)  | 0.5                   | G1      | 70          |

### Additional specifications

| Filter type                     | Capacitance |          | Surge current<br>A | Energy absorption<br>J | Maximum leakage<br>μA/phase | Maximum operating voltage |       | Operating frequency<br>Hz | Hipot test voltage |            |
|---------------------------------|-------------|----------|--------------------|------------------------|-----------------------------|---------------------------|-------|---------------------------|--------------------|------------|
|                                 | Cx<br>nF    | Cy<br>nF |                    |                        |                             | VAC                       | Hz    |                           | PN→E<br>VAC        | P→N<br>VDC |
| Standard types                  | 15          | 2.2      |                    |                        | 190                         | 250                       | 50/60 | DC to 400                 | 2000               | 1700       |
| FN 332Z types (surge protected) | 15          | 2.2      | 1200               | 26                     | 190                         | 250                       | 50/60 | DC to 400                 | 2000               | 350        |

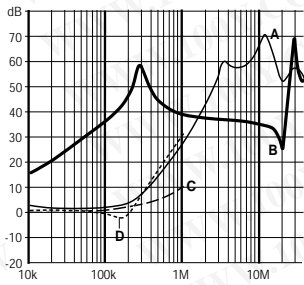
MTBF at 40°C, 230V, per Mil-HB-217F: 710,000 hours.

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

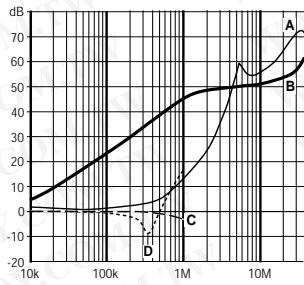
## FN 332 insertion loss

Per CISPR 17; A = 50Ω/50Ω sym, B = 50Ω/50Ω asym, C = 0.1Ω/100Ω sym, D = 100Ω/0.1Ω sym

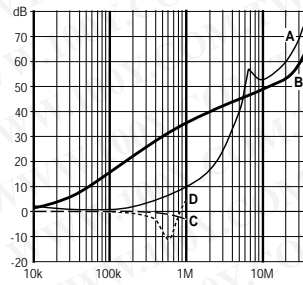
### 1 amp types



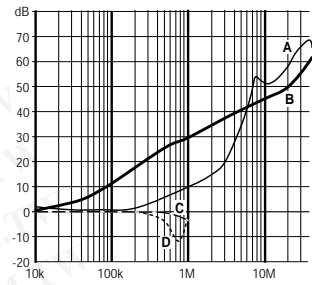
### 3 amp types



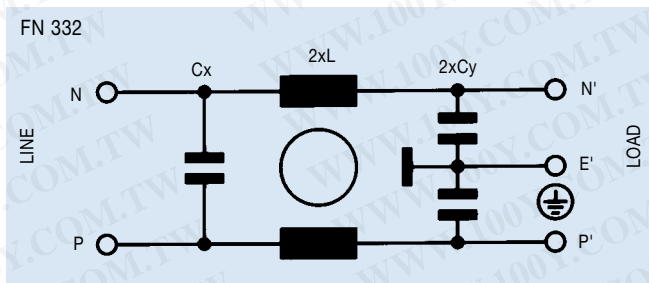
### 6 amp types



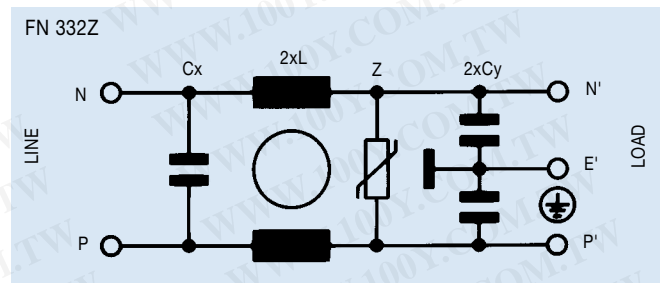
### 10 amp types



## Electrical schematics



See tables for component values.

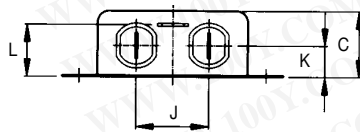


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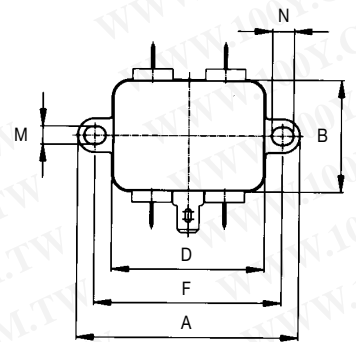
## Mechanical data

|          |      | Tol.<br>mm |
|----------|------|------------|
| <b>A</b> | 45   | ± 0.5      |
| <b>B</b> | 41   | ± 0.5      |
| <b>C</b> | 24.8 | ± 0.5      |
| <b>D</b> | 29   | ± 0.5      |
| <b>F</b> | 37   | ± 0.4      |
| <b>J</b> | 12.5 | ± 0.2      |
| <b>K</b> | 9.6  | ± 0.2      |
| <b>L</b> | 18.7 | ± 0.5      |
| <b>M</b> | 3.5  | ± 0.1      |
| <b>N</b> | 3.9  | ± 0.1      |

### Front view



### Top view



### Note:

The P and N connections of FN 332 are located in a horizontal position like shown on the picture. The mechanical drawing is a typical filter drawing.

All dimensions in mm; 1 inch = 25.4 mm