

# 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°) A		Inductance L mH	Housing	Weight 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 -10A /??	/01	/05	10	(12)	0.5	G1	70

## Additional specifications

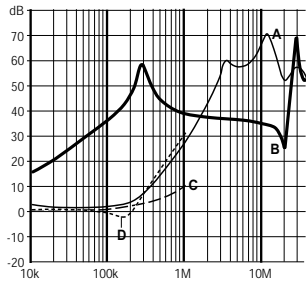
Filter type	Capacitance		Surge current A	Energy absorption J	Maximum leakage µA/phase	Maximum operating voltage		Operating frequency Hz	Hipot test voltage	
	C <sub>x</sub> nF	C <sub>y</sub> nF				VAC	Hz		PN→E VAC	P→N VAC
Standard types	15	2.2			190	250	50/60	DC to 400	2000	760
FN 332Z types (surge protected)	15	2.2	1200	26	190	250	50/60	DC to 400	2000	250

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

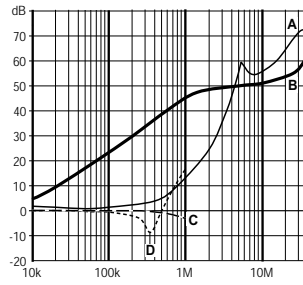
## FN 332 insertion loss

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

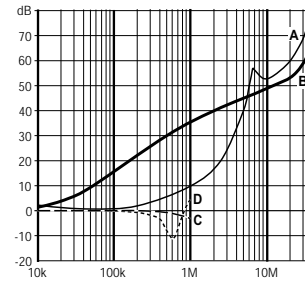
### 1 amp types



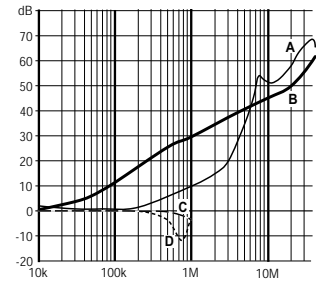
### 3 amp types



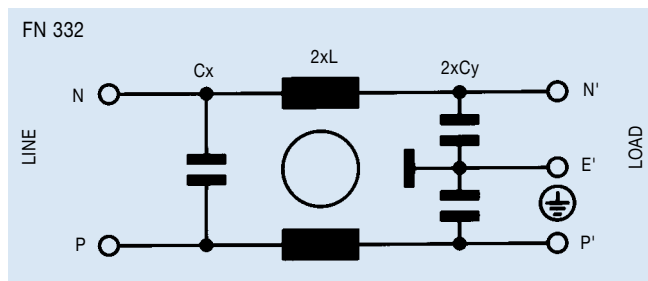
### 6 amp types



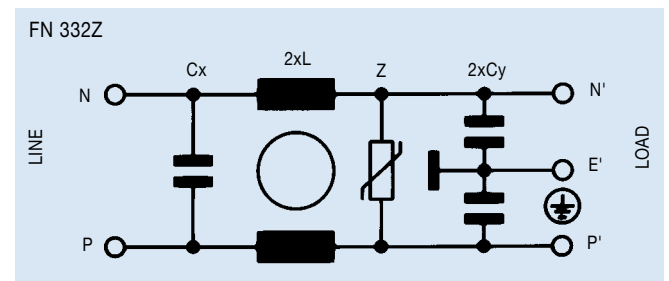
### 10 amp types



## Electrical schematics



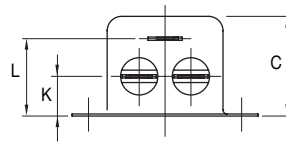
See tables for component values.



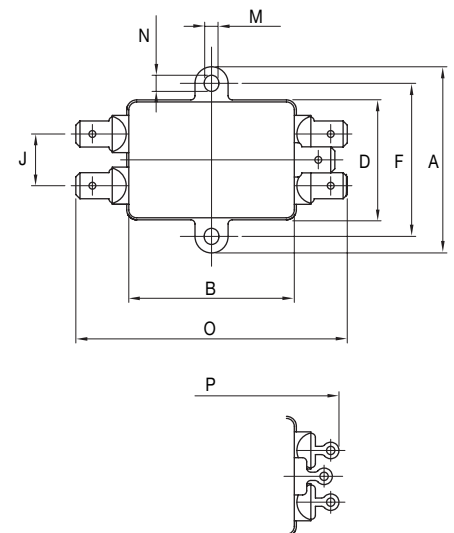
## Mechanical data

		Tol. mm
<b>A</b>	45	± 0.5
<b>B</b>	40	± 0.5
<b>C</b>	24.8	± 0.5
<b>D</b>	28	± 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
<b>O</b>	65.6	± 0.1
<b>P</b>	61.6	± 0.1

### Front view



### Top view



All dimensions in mm; 1 inch = 25.4 mm