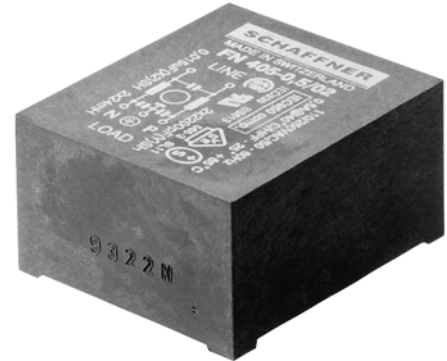


# PCB-mounting filter

# FN 405

- 0.5-10A current ratings
- PCB-mounting
- Low profile
- Nennströme von 0,5 bis 10A
- Printmontage
- Raumsparender Aufbau
- Courants de service de 0,5 à 10A
- Montage sur circuit imprimé
- Hauteur réduite



### 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 405-6/02 is a 6A filter with pin connections.

### Approvals



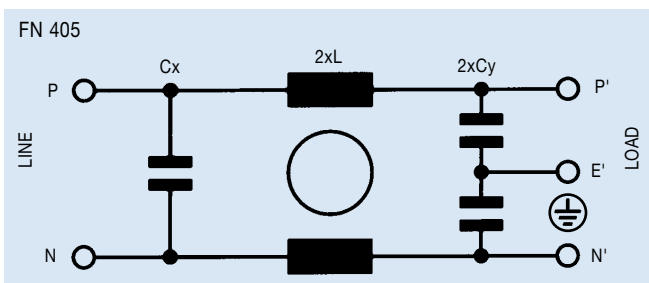
Family	Connections	Current ratings A at 40°C (25°)	Inductance L mH	Housing	Weight g
FN 405 -0.5 /??	/02	0.5 (0.6)	24	KA4	40
FN 405 -1 /??	/02	1 (1.2)	10	KA4	40
FN 405 -3 /??	/02	3 (3.6)	2	KA4	40
FN 405 -6 /??	/02	6 (6.9)	0.8	KA4	40
FN 405 -10 /??	/02	10 (11.5)	0.5	KA4	40

### Additional specifications

Filter type	Capacitance		Maximum leakage µA/phase	Maximum operating voltage		Operating frequency Hz	Hipot test voltage	
	Cx nF	Cy nF		VAC	Hz		PN→E VAC	P→N VAC
Standard types	15	2.2	210	250	50/60	DC to 400	2000	760

MTBF at 40°C, 230V, per Mil-HB-217F: 1,600,000 hours.

### Electrical schematic

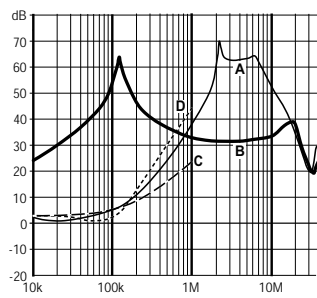


See tables for component values.

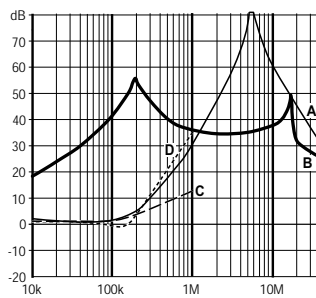
## FN 405 insertion loss

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

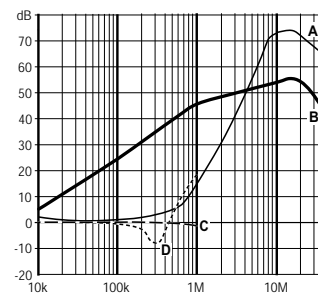
### 0.5 amp types



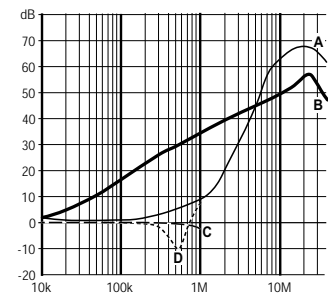
### 1 amp types



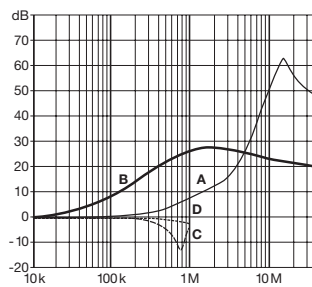
### 3 amp types



### 6 amp types



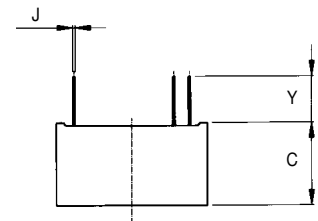
### 10 amp types



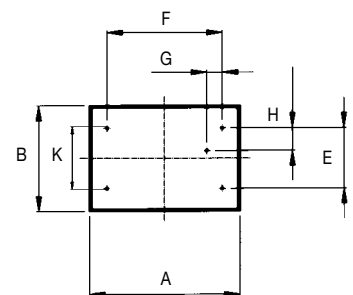
## Mechanical data

		Tol. mm
<b>A</b>	36	± 0.5
<b>B</b>	31	± 0.5
<b>C</b>	19.5	± 0.5
<b>E</b>	15	± 0.2
<b>F</b>	17.5	± 0.2
<b>G</b>	0	± 0.2
<b>H</b>	7.5	± 0.2
<b>J</b>	∅0.8	± 0.1
<b>K</b>	15	± 0.2
<b>Y</b>	5.8	± 0.5

### Side view



### Bottom view



All dimensions in mm; 1 inch = 25.4 mm