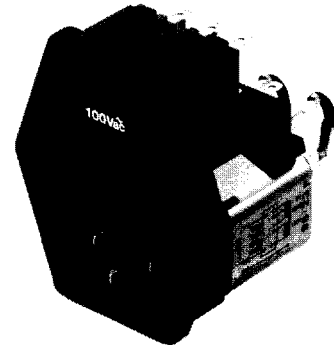


## Versatile power entry module

## FN 370

This power entry module is available in versions with one or two fuses of either European or USA sizes. With seven possible different input voltage selectors, the unit is ideal for companies manufacturing for international markets. The options possible with this family permit over 400 different custom filter configurations.

- up to 6A current ratings
- IEC 950-compliant (twin fuse configurations only)
- one or two fuses (Ø5 x 20 or Ø6.3 x 32mm)
- easy-access fuse compartment
- voltage selector
- snap-in or screw-mount versions
- general-purpose application
- optional medical version (B type)



See Mechanical Data (page 44) for details of housings and output connections.

### Filter selection table

Choose the family **FN xxx** with the required body style and features, and add **-??** to determine current rating. Example: FN 378-2 is a horizontal screw-mounting filter with twin fuses, rated for 2A, with mini fast-on outputs.

### Approvals



Family	Current ratings A at 40°C (25°)			Housing style		Fuse(s)	Weight
	2 (2.4)	4 (4.8)	6 (7.2)			Nbr.	g
FN 370 -?? /..	-2	-4	-6		✓	1	60
FN 372 -?? /..	-2	-4	-6		✓	2	60
FN 376 -?? /..	-2	-4	-6	✓		1	65
FN 378 -?? /..	-2	-4	-6	✓		2	65
Inductance L mH							
	0.7	0.3	0.18				

Family	Current ratings A at 40°C (25°)			Housing style		Fuse(s)	Weight
	2 (2.4)	4 (4.8)	6 (7.2)			Nbr.	g
FN 375 -?? /..	-2	-4	-6		✓	2	80
FN 379 -?? /..	-2	-4	-6	✓		2	85
Inductance L mH							
	2	0.8	0.5				

### Additional specifications

Filter type	Capacitance		Maximum leakage µA/phase	Res. R MΩ	Maximum operating volt.		Operating frequency Hz	Hipot test voltage	
	Cx nF	Cy nF			VAC	Hz		PN→E VAC	P→N VDC
All standard types	47	2.2	190	-	250	50/60	DC to 400	2000	1700
FN 375B/379B types (medical)	47	-	2	1	250	50/60	DC to 400	2500	1700

MTBF at 40°C, 230V, per Mil-HB-217F: 550,000 hours

# Filter selection: additional specifications

The filters in this family can be ordered as standard, fully mounted products (excluding the fuse) as shown in the part number sequence to the right.

For highest flexibility, the products should be ordered as disassembled modules (eg. FN 375B-2/••) and accessories ordered separately (fuse holders and voltage selectors).

### Fuse holder description

Fuse Holder	Part no.	Size
1	FUSE-H-EUR-1	5 x 20mm
2	FUSE-H-USA-1	6.3 x 32mm

### Voltage selector description

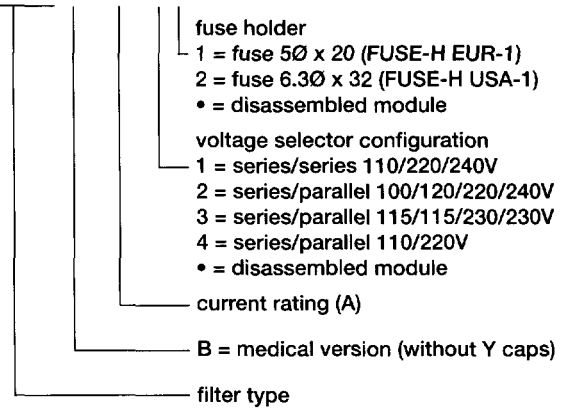
Voltage Selector	Part no.	Function	Voltage marking				Closed internal contacts corresponding to:			
			1st	2nd	3rd	4th	1st	2nd	3rd	4th
1	VOL-SE 3SS-1	series/series	110	220	240	-	b, e	b, c	a	-
2	VOL-SE 4SP-1	series/parallel	100	120	220	240	a, c, e	b, c, e	a, d	b, d
3	VOL-SE 2SP-1	series/parallel	115	115	230	230	a, c, e	b, c, e	a, d	b, d
4	VOL-SE 2SP-2	series/parallel	110	220	-	-	b, c, e	a, d	-	-

Other selected voltage/markings on request

### Ordering information:

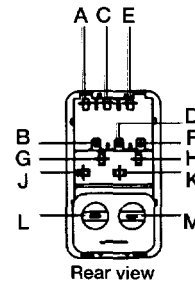
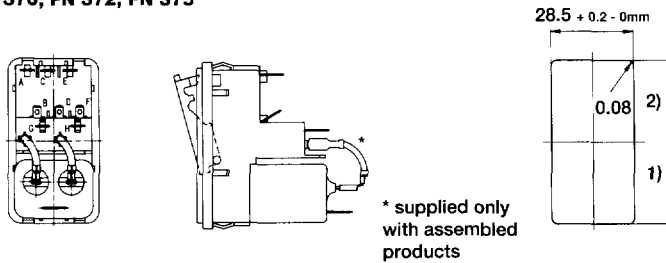
The filters of this family can be ordered as standard, fully mounted products (excluding the fuse) as follows:

### FN 379 & - 2 / x y

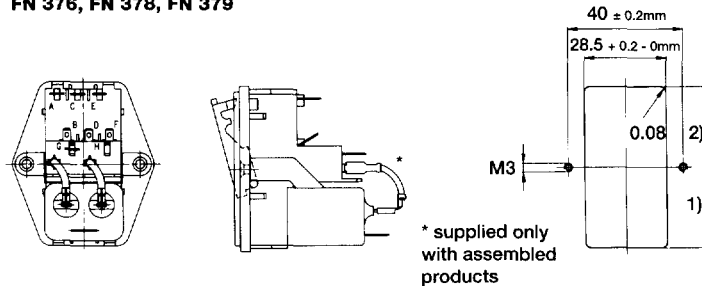


### Mechanical/electrical connection summary

#### FN 370, FN 372, FN 375



#### FN 376, FN 378, FN 379



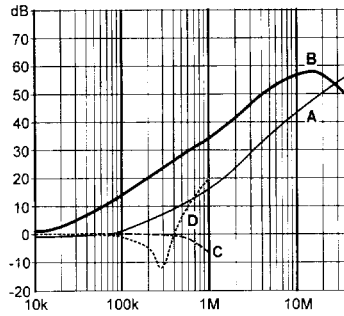
### Thickness of mounting panels

1) 0.8 - 2.0mm	55.9 <sup>+0.2</sup> <sub>-0</sub>
2) 2.1 - 3.2mm	56.2 <sup>+0.2</sup> <sub>-0</sub>

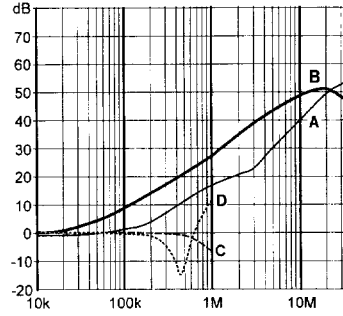
## Insertion loss

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

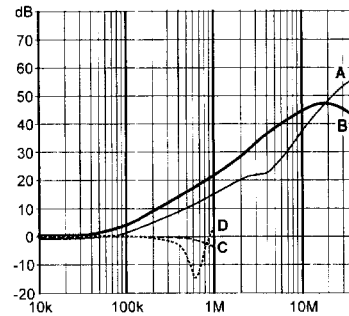
### 2 amp types (FN 370/372/376/378)



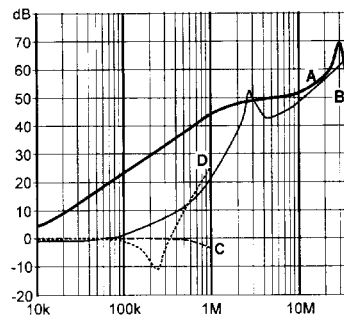
### 4 amp types (FN 370/372/376/378)



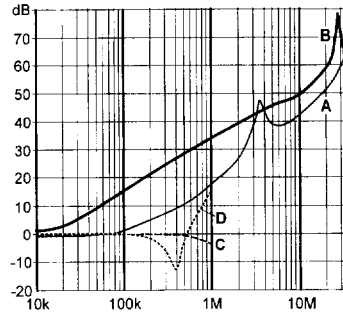
### 6 amp types (FN 370/372/376/378)



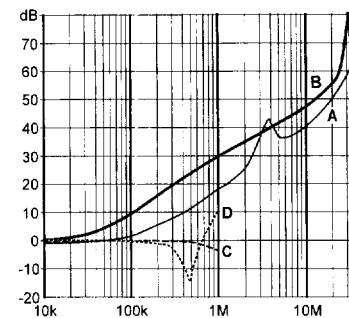
### 2 amp types (FN 375/379)



### 4 amp types (FN 375/379)



### 6 amp types (FN 375/379)

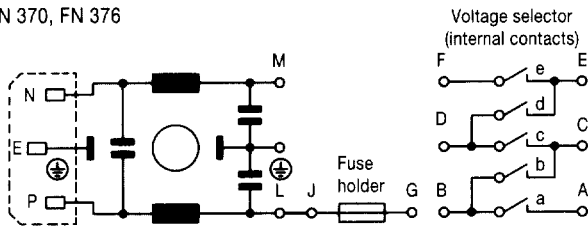


## Electrical schematics

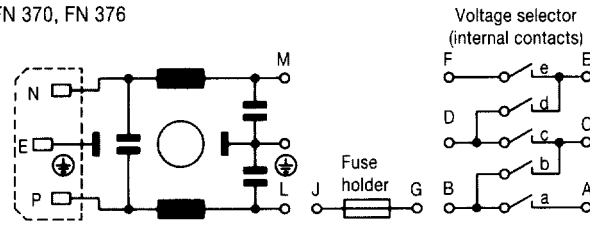
### COMPLETE MODULE

### DISASSEMBLED MODULE

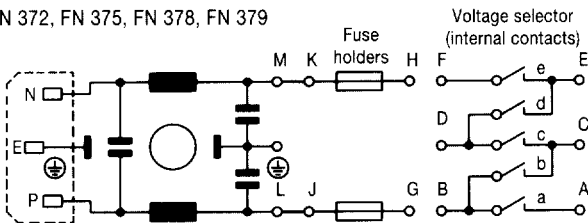
#### FN 370, FN 376



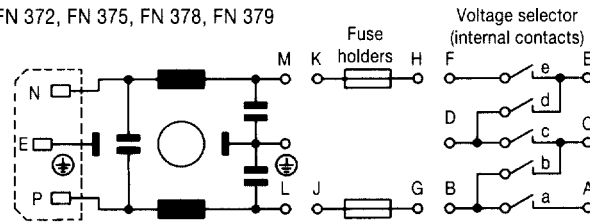
#### FN 370, FN 376



#### FN 372, FN 375, FN 378, FN 379



#### FN 372, FN 375, FN 378, FN 379



See tables for component values