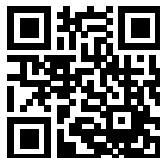


## Versatile Filtered Power Entry Module



- Rated currents up to 6 A
- Single or dual-fuse holder
- Fuses  $\varnothing 6.3 \times 32$  mm or  $\varnothing 5 \times 20$  mm
- Voltage selector 100/120/230/240 V
- General purpose application
- Optional medical versions (B type)



### Performance indicators

### Attenuation performance



## Technical Specifications

Maximum continuous operating voltage	250 VAC, 50/60 Hz
Nominal operating voltage	230 VAC
Rated currents	2 to 6 A @ 40°C
Operating frequency	DC to 400 Hz
High potential test voltage	P → PE 2000 VAC for 2 sec (standard types) P → PE 2500 VAC for 2 sec (B types) P → N 760 VAC for 2 sec
Temperature range (operation and storage)	-25°C to +85°C (25/85/21)
Protection category	IP 40 according to IEC 60529
Flammability corresponding to	UL 94 V-0
Design corresponding to	UL 1283, CSA 22.2 No. 8 1986, IEC/EN 60939
MTBF (Mil-HB-217F)	>550,000 h @ 40°C/230 V
Function	Series/parallel
Voltage selector description	VOL-SE 4SP-4
Voltage marking	
1st	100
2nd	120
3rd	230
4th	240
Closed internal contact corresponding to	
1st (100)	a, c, e
2nd (120)	b, c, e
3rd (230)	a, d
4th (240)	b, d

\* Other selected voltage marking on request.

## Approvals & Compliances



The FN 370 power entry module combines an IEC inlet, a mains filter with a single or dual-fuse holder and a voltage selector. Choosing FN 370 product line brings you the rapid availability of a standard filter associated with the necessary safety acceptances. Standard IEC connector filters are a practical solution helping you to pass EMI system approval in a short time. A wide selection on amperage ratings, fuse options, mounting possibilities and filters for medical applications are designed to offer you the desired solution.

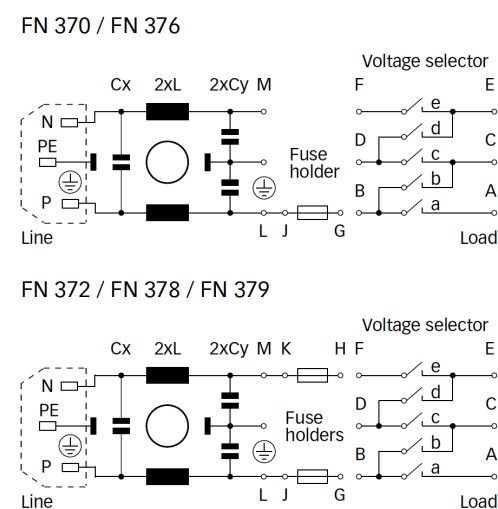
## Features and Benefits

- Good conducted attenuation performance, based on chokes with high saturation resistance and excellent thermal behavior
- Rear/front or snap-in mounting
- Single or dual-fuse holder
- USA  $\varnothing 6.3 \times 32$  mm or EU  $\varnothing 5 \times 20$  mm fuses
- Two attenuation performance ranges
- Voltage selector 100/120/230/240 V
- Custom-specific versions are available on request

## Typical Applications

- Portable electrical and electronic equipment
- Consumer goods
- EDP and office equipment
- Single-phase power supplies, switch-mode power supplies
- Test and measurement equipment
- Medical equipment

### Typical electrical schematic

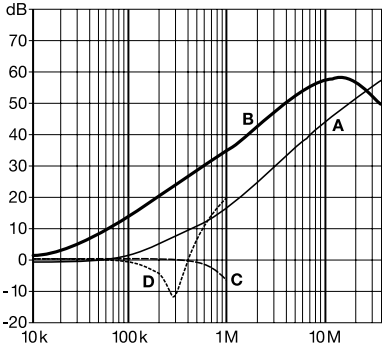




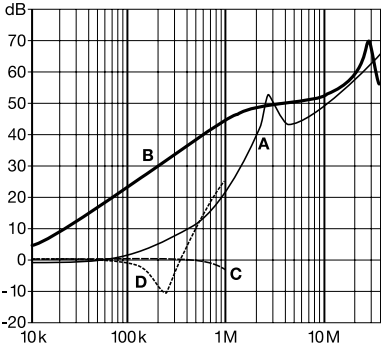
Typical Filter Attenuation

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

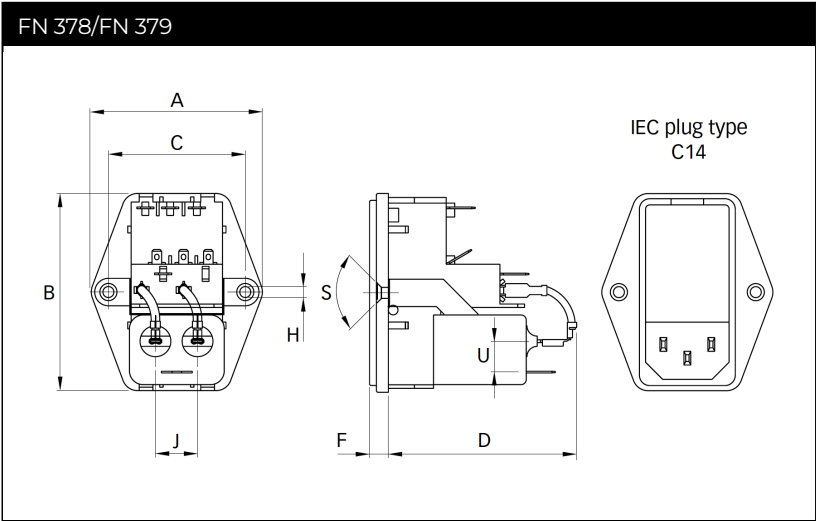
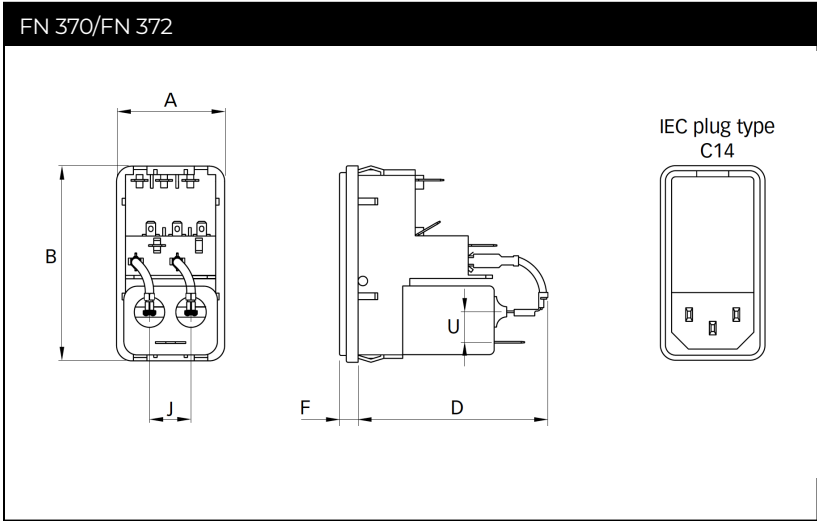
FN 370/FN 372/FN 378



FN 379

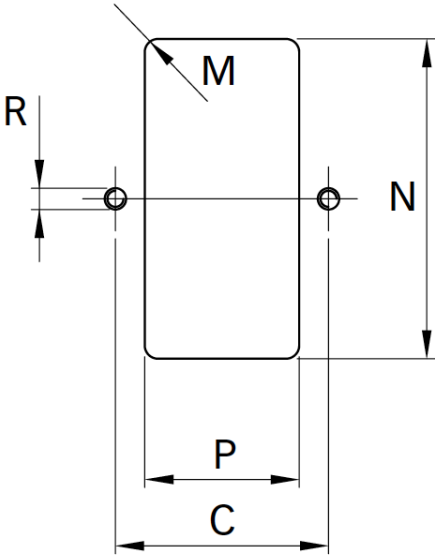
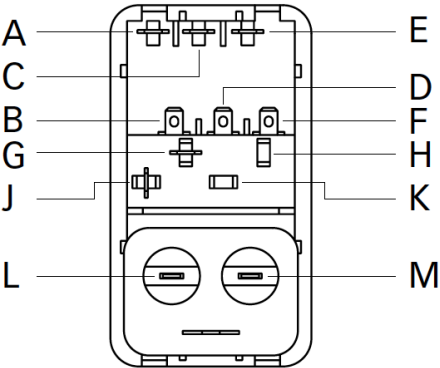


Mechanical Data



Connection designation

Panel cut out



Dimensions

	FN 370	FN 372	FN 378	FN 379	Tolerances
A	32	32	50	50	±0.3
B	58	58	58	58	±0.3
C			40	40	±0.1
D	54	54	54	64.5	
F	5.5	5.5	5.5	5.5	
H			Ø3.3	Ø3.3	
J	12.5	12.5	12.5	12.5	
M	R ≤2	R ≤2	R ≤2	R ≤2	±0.1
N	55.9*/56.2**	55.9*/56.2**	55.9*/56.2**	55.9*/56.2**	+0.2/-0
P	28.5	28.5	28.5	28.5	+0.2/-0
R			M3	M3	
S			90°	90°	
U	9	9	9	9	

\* For a panel thickness between 0.8 and 3 mm  
\*\* For a back panel thickness between 2.1 and 3.2 mm

All dimensions in mm; 1 inch = 25.4 mm  
Tolerances according: ISO 2768-m/EN 22768-m

Please visit [www.schaffner.com](http://www.schaffner.com) to find more details on filter connectors.

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