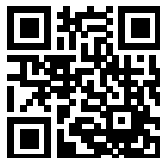


## Versatile Filtered Power Entry Module



- Rated currents up to 6 A
- Single or dual-fuse holder
- Fuses  $\varnothing 6.3 \times 32$  mm  $\varnothing 5 \times 20$  mm
- 2-pole rocker switch
- 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	50 to 400 Hz 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
Switch ratings	
Function	2-pole, dark not illuminated Marking I - 0
Electrical specifications	Inrush current 51 A 6,000 on-off operations according to UL 1054, TV 5 10,000 on-off operations according to ENEC
Europe (ENEC)	6 A (4 A), 250 VAC*
USA (UL)	6 A, 125 VAC 4 A, 250 VAC 1/10 HP
Canada (CSA)	6 A, 125 VAC 4 A, 250 VAC 1/10 HP

\* Value in ( ) relates to the inductive current charge:  $\cos(\phi) = 0.65$

## Approvals & Compliances



The FN 380 power entry module combines an IEC inlet, a mains filter with a single or dual fuse holder and a 2-pole rocker switch. Choosing FN 380 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
- 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
- 2-pole rocker switch

## Typical Applications

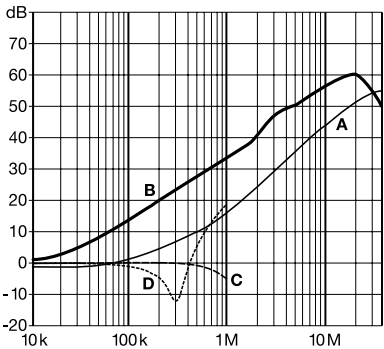
- Portable electrical and electronic equipment
- Consumer goods
- EDP and office equipment
- Single-phase power supplies, switch-mode power supplies
- Test and measurement equipment
- Medical equipment



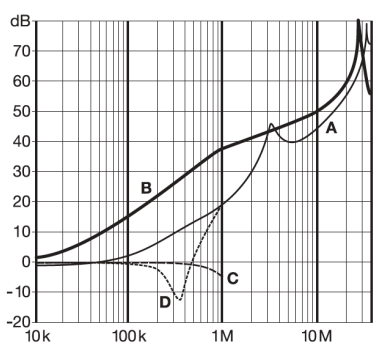
Typical Filter Attenuation

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

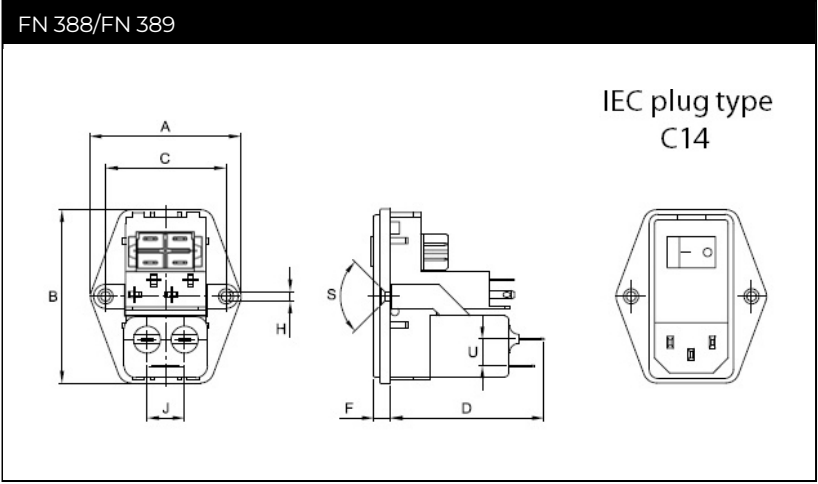
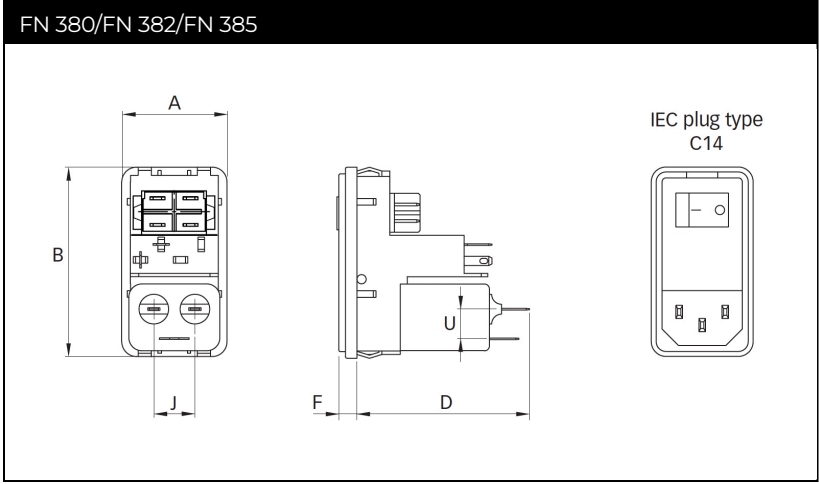
FN 380/FN 382/FN 388



FN 385/FN 389



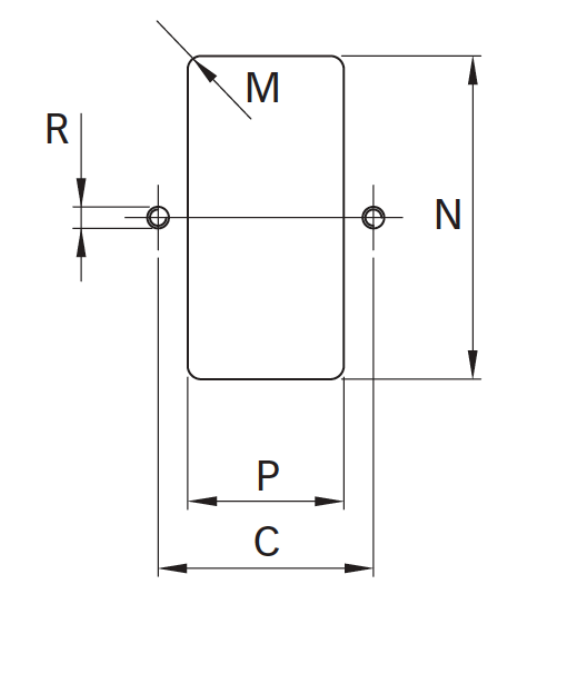
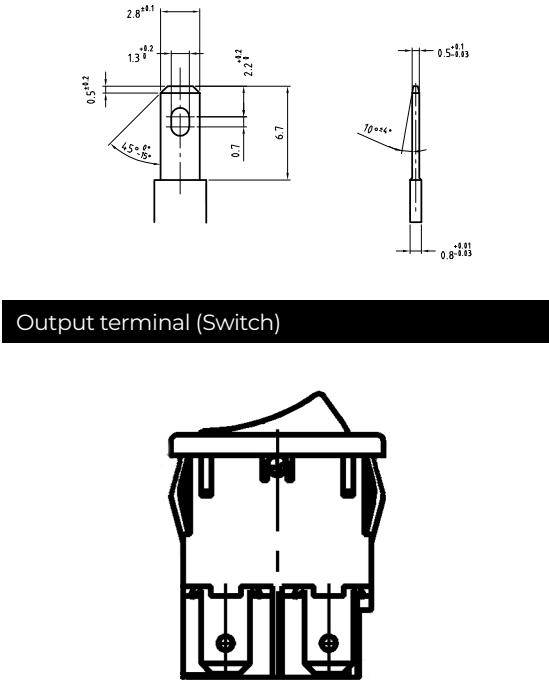
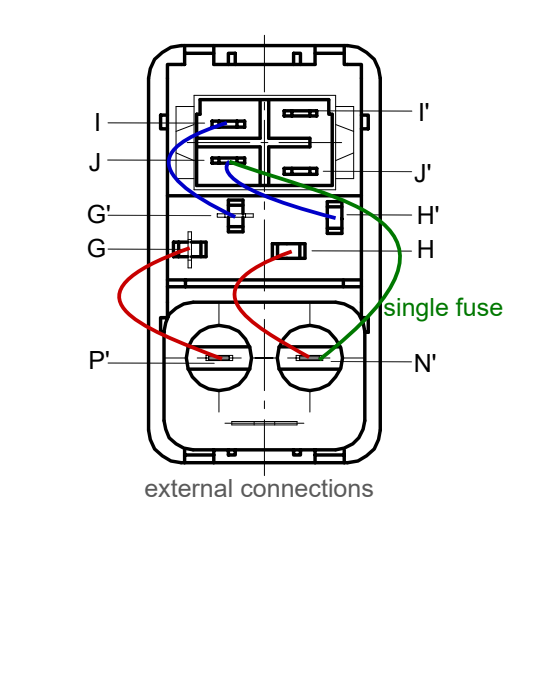
Mechanical Data



Connection designation

Output terminal (Filter and Fuse)

Panel cut out



Blade terminals of switch acc. DIN 46 244-A4.8-0.8 (do not connect by soldering)

Dimensions

	FN 380	FN 382	FN 385	FN 388	FN 389	Tolerances
A	32	32	32	50	50	±0.3
B	58	58	58	58	58	±0.3
C				40	40	±0.1
D	51	51	61	51	61	
F	5.5	5.5	5.5	5.5	5.5	
H				Ø3.3	Ø3.3	
J	12.5	12.5	12.5	12.5	12.5	
M	R ≤2	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**	55.9*/56.2**	+0.2/-0
P	28.5	28.5	28.5	28.5	28.5	+0.2/-0
R				M3	M3	
S				90°	90°	
U	9	9	9	9	9	

\* For a back panel thickness between 0.8 and 2.0 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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