

# General Purpose Power Entry Module with Fuses



- Rated currents up to 10 A
- For one or two fuses
- Optional safety version (A type)
- Complies with IEC/EN 60601-1
- Snap-in versions (S type)



### Performance indicators

Attenuation performance



Rated current [A]



### Approvals



The FN 9260 power entry module combines an IEC inlet, mains filter with excellent filter attenuation and fuses in a small form factor. Choosing FN 9260 product line brings you 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, output connections, mounting possibilities and filters for medical applications are designed to offer you the desired solution.

### Features and Benefits

- Exceptional conducted attenuation performance, based on chokes with high saturation resistance and excellent thermal behavior
- B types comply with the requirements of IEC/EN 60601-1 for creepage and clearance, leakage current and high potential testing
- Versions up to 10 A are available with fuse holder for one or two fuses
- Custom-specific versions are available on request

### Technical specifications

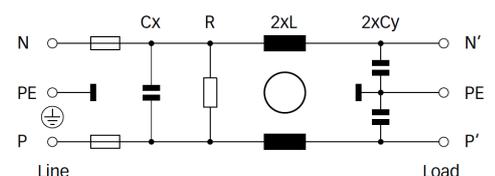
<b>Maximum continuous operating voltage</b>	250 VAC, 50/60 Hz
<b>Operating frequency</b>	dc to 400 Hz
<b>Rated currents</b>	1 to 10 A @ 40°C max.
<b>High potential test voltage</b>	P → PE 2000 VAC for 2 sec (standard types) P → PE 2500 VAC for 2 sec (B types) P → N 760 VAC for 2 sec (standard types) P → N 1700 VDC for 2 sec (B types)
<b>Protection category</b>	IP 40 according to IEC 60529
<b>Temperature range (operation and storage)</b>	-25°C to +85°C (25/85/21)
<b>Design corresponding to</b>	UL 1283, CSA 22.2 No. 8 1986, IEC/EN 60939
<b>Flammability corresponding to</b>	UL 94 V-2 or better
<b>MTBF @ 40°C/230 V (Mil-HB-217F)</b>	2,200,000 hours
<b>Fuse holder</b>	1 or 2 fuses (Ø5 x 20 mm)

### Typical applications

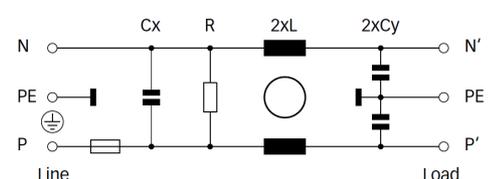
- Portable electrical and electronic equipment
- Medical equipment
- Small to medium-sized machines and household equipment
- Single-phase power supplies, switch-mode power supplies
- Test and measurement equipment

### Typical electrical schematic

FN 9260 (B types without Y-capacitors)



FN 261



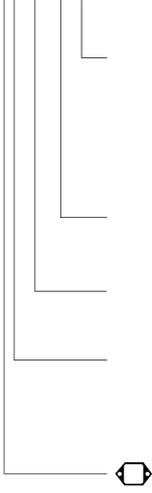
## Filter selection table

Filter	Rated current @ 40°C (25°C) [A]	Leakage current* @ 230 VAC/50 Hz [µA]	Inductance L [mH]	Capacitance		Resistance R [kΩ]	Input/Output connections 	Fuses [Qty]	Weight [g]
				Cx [µF]	Cy [nF]				
FN 9260 x-1-06-y	1 (1.2)	373	5.3	0.1	2.2	1000	-06	2	55
FN 9260 x-2-06-y	2 (2.3)	373	2.7	0.1	2.2	1000	-06	2	55
FN 9260 x-4-06-y	4 (4.6)	373	1.0	0.1	2.2	1000	-06	2	55
FN 9260 x-6-06-y	6 (6.9)	373	0.3	0.1	2.2	1000	-06	2	55
FN 9260 x-10-06-y	10 (11.5)	373	0.2	0.1	2.2	1000	-06	2	55
FN 9260 xA1-1-06-y	1 (1.2)	37	5.3	0.1	0.22	1000	-06	2	55
FN 9260 xA-2-06-y	2 (2.3)	74	2.7	0.1	0.47	1000	-06	2	55
FN 9260 xA-4-06-y	4 (4.6)	74	1.0	0.1	0.47	1000	-06	2	55
FN 9260 xA-6-06-y	6 (6.9)	74	0.3	0.1	0.47	1000	-06	2	55
FN 9260 xA-10-06-y	10 (11.5)	74	0.2	0.1	0.47	1000	-06	2	55
FN 9260 xB-1-06-y	1 (1.2)	2	5.3	0.1		1000	-06	2	55
FN 9260 xB-2-06-y	2 (2.3)	2	2.7	0.1		1000	-06	2	55
FN 9260 xB-4-06-y	4 (4.6)	2	1.0	0.1		1000	-06	2	55
FN 9260 xB-6-06-y	6 (6.9)	2	0.3	0.1		1000	-06	2	55
FN 9260 xB-10-06-y	10 (11.5)	2	0.2	0.1		1000	-06	2	55
FN 261 x-1-06-y	1 (1.2)	373	5.3	0.1	2.2	1000	-06	1	55
FN 261 x-2-06-y	2 (2.3)	373	2.7	0.1	2.2	1000	-06	1	55
FN 261 x-4-06-y	4 (4.6)	373	1.0	0.1	2.2	1000	-06	1	55
FN 261 x-6-06-y	6 (6.9)	373	0.3	0.1	2.2	1000	-06	1	55
FN 261 x-10-06-y	10 (11.5)	373	0.2	0.1	2.2	1000	-06	1	55

\* Maximum leakage under normal operating conditions. Note: if the neutral line is interrupted, worst case leakage could reach twice this level.

Product selector

FN 9260xx-yy-yy-y



Snap-in range for S version only

- 10: Snap-in range 0.6 to 1.5mm
- 20: Snap-in range 1.6 to 2.5mm
- 30: Snap-in range 2.6 to 3.5mm

06: Faston 6.3 x 0.8mm (spade/soldering)

1 to 10: Rated current

Blank: Standard version

A: Safety version

B: Medical version (without Y-capacitor)

Blank: Standard housing with mounting flanges

S: Snap-in version, snapper on vertical side

For example: FN 9260-1-06-10, FN 9260 SB-10-06-20, FN 261 S-6-06-30

### Typical filter attenuation

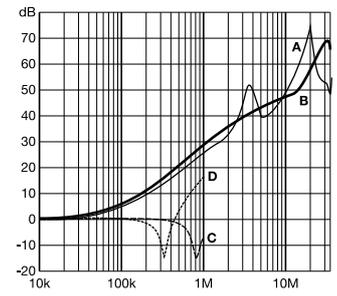
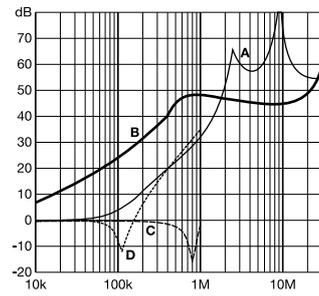
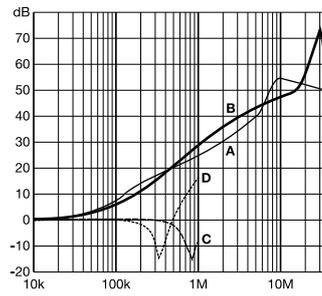
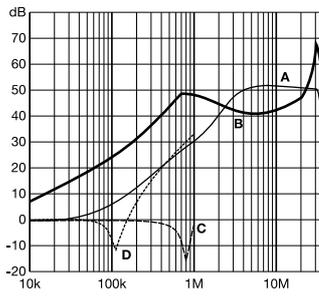
Per CISPR 17; A=50 Ω/50 Ω sym; B=50 Ω/50 Ω asym; C=0.1 Ω/100 Ω sym; D=100 Ω/0.1 Ω sym

FN 9260: 1 to 4 A types

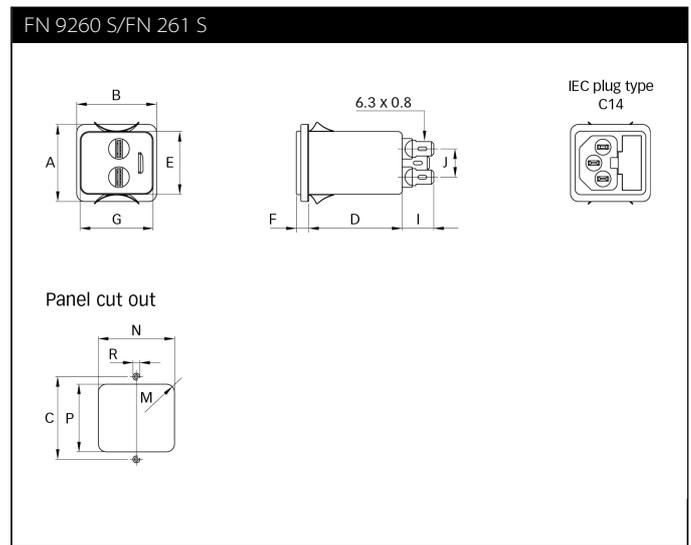
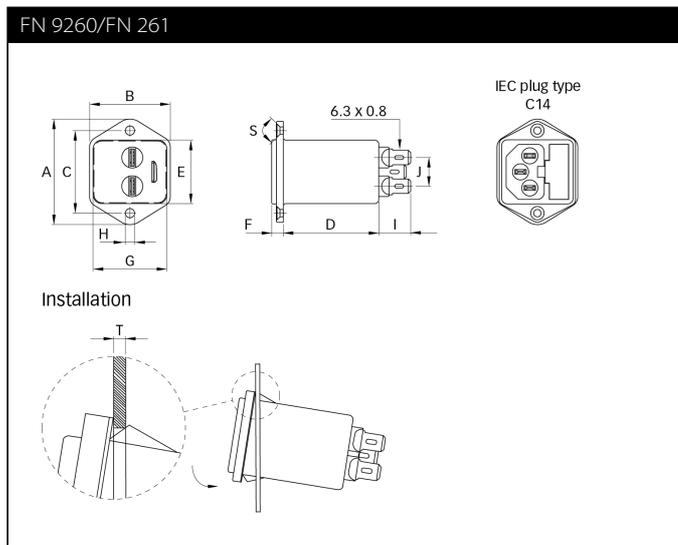
FN 9260: 6 and 10 A types

FN 261: 1 to 4 A types

FN 261: 6 and 10 A types



### Mechanical data



### Dimensions

	FN 261	FN 261 S	
	FN 9260	FN 9260 S	Tolerances
A	46	34	±0.3
B	35	35	±0.3
C	36		±0.3
D	41	41	±0.3
E	27.8	27.8	+0.3/-0
F	5.5	5.5	±0.3
G	32	32	+0.3/-0
H	∅3.2		±0.1
I	13.8	13.8	
J	12.5	12.5	±0.3
M	R ≤ 3.5	R ≤ 3.5	
N	33	33	+0.3/-0
P	29	29.5	±0.3
R	M3		
S	90°		
T*		0.6-1.5	
T*		1.6-2.5	
T*		2.6-3.5	

\* For selecting the panel thickness, please refer to the filter selector table.

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 connections.



## Headquarters, global innovation and development

### Switzerland

#### Schaffner Group

Nordstrasse 11  
4542 Luterbach  
T +41 32 681 66 26  
F +41 32 681 66 30  
[info@schaffner.com](mailto:info@schaffner.com)  
<http://www.schaffner.com>



## Sales and application centers

### China

#### Schaffner EMC Ltd. Shanghai

T20-3 C, No 565 Chuangye Road,  
Pudong district  
201201 Shanghai  
T +86 21 3813 9500  
[cschina@schaffner.com](mailto:cschina@schaffner.com)  
<http://www.schaffner.com.cn>

### Finland

#### Schaffner Oy

Sauvonrinne 19 H  
08500 Lohja  
T +358 10 567 2855  
[finlandsales@schaffner.com](mailto:finlandsales@schaffner.com)

### France

#### Schaffner EMC S.A.S.

112 Quai de Bezons  
95100 Argenteuil  
T +33 1 34 34 30 60  
F +33 1 39 47 02 28  
[francesales@schaffner.com](mailto:francesales@schaffner.com)

### Germany

#### Schaffner Deutschland GmbH

Schoemperlenstrasse 12B  
76185 Karlsruhe  
T +49 721 56910  
F +49 721 569110  
[germanysales@schaffner.com](mailto:germanysales@schaffner.com)

### India

#### Schaffner India Pvt. Ltd

Unit 59, Level, Mfar Greenheart 7  
Manyata Tech Park, Hebbal Outer Ring Road  
560045 Bangalore  
T +91 80 6781 9805  
F +91 80 6781 9998  
[indiasales@schaffner.com](mailto:indiasales@schaffner.com)

### Italy

#### Schaffner EMC S.r.l.

Via Galileo Galilei 47  
20092 Cinisello Balsamo (MI)  
T +39 02 66 04 30 45 /47  
F +39 02 61 23 943  
[italysales@schaffner.com](mailto:italysales@schaffner.com)

### Japan

#### Schaffner EMC K.K.

1-32-12, Kamiyama, Setagaya-ku  
7F Mitsui-seimei Sangenjaya Bldg.  
154-0011 Tokyo  
T +81 3 5712 3650  
F +81 3 5712 3651  
[japansales@schaffner.com](mailto:japansales@schaffner.com)  
<http://www.schaffner.jp>

### Singapore

#### Schaffner EMC Pte Ltd.

#05-09, Kg Ubi Ind. Estate  
408705 Singapore  
T +65 6377 3283  
F +65 6377 3281  
[singaporesales@schaffner.com](mailto:singaporesales@schaffner.com)

### Spain

#### Schaffner EMC España

Calle Caléndula 93, Miniparc III, Edificio E  
El Soto de Moraleja, Alcobendas  
28109 Madrid  
T +34 917 912 900  
F +34 917 912 901  
[spainsales@schaffner.com](mailto:spainsales@schaffner.com)

### Sweden

#### Schaffner EMC AB

Tegeluddsvägen 76, 2tr  
115 28 Stockholm  
T +46 8 5050 2425  
[swedensales@schaffner.com](mailto:swedensales@schaffner.com)  
<http://www.schaffner.com>

### Switzerland

#### Schaffner EMV AG

Nordstrasse 11  
4542 Luterbach  
T +41 32 681 66 26  
[switzerlandsales@schaffner.com](mailto:switzerlandsales@schaffner.com)

### Taiwan R.O.C.

#### Schaffner EMV Ltd.

20 Floor-2, No 97, Section 1, XinTai 5th Road  
22175 XiZhi District New Taipei City 22175  
T +886 2 2697 5500  
F +886 2 2697 5533  
[taiwansales@schaffner.com](mailto:taiwansales@schaffner.com)  
<http://www.schaffner.tw>

### Thailand

#### Schaffner EMC Co. Ltd.

Northern Region Industrial Estate  
67 Moo 4 Tambon Ban Klang  
Amphur Muangng P.O. Box 14  
51000 Lamphun  
T +66 53 58 11 04  
F +66 53 58 10 19  
[thailandsales@schaffner.com](mailto:thailandsales@schaffner.com)

### United Kingdom

#### Schaffner Ltd.

5 Ashville Way, Molly Millars Lane  
Wokingham  
RG41 2PL Berkshire  
T +44 118 9770070  
F +44 118 9792969  
[uksales@schaffner.com](mailto:uksales@schaffner.com)

### USA

#### Schaffner EMC Inc.

52 Mayfield Avenue  
08837 Edison, New Jersey  
T +1 800 367 5566  
T +1 732 225 9533  
F +1 732 225 4789  
[usasales@schaffner.com](mailto:usasales@schaffner.com)  
<http://www.schaffnerusa.com>

#### Schaffner North America

6722 Thirlane Road  
24019 Roanoke, Virginia  
T +1 276 228 7943  
F +1 276 228 7953

#### Schaffner North America

823 Fairview Road  
24382 Wytheville, Virginia  
T +1 276 228 7943  
F +1 276 228 7258

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