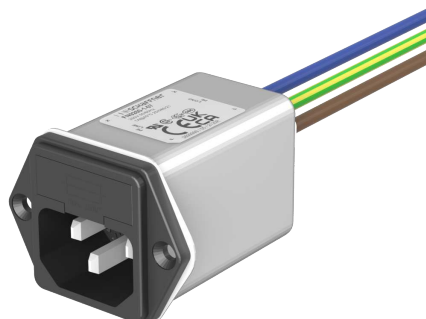


General Purpose Power Entry Module with Fuses



- Rated currents up to 10 A
- Integrated single/dual fuse holder
- Optional reduced leakage current versions (A/B type)
- Complies with IEC/EN 60601-1
- Snap-in versions (S type)
- Good attenuation performance
- NEW: Wire leads option



Performance indicators

Attenuation performance



Rated current [A]



Technical specifications

Maximum continuous operating voltage	250 VAC, 50/60 Hz
Operating frequency	DC to 400 Hz
Rated currents	1 to 10 A @ 40°C max.
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
Protection category	IP 40 according to IEC 60529
Temperature range (operation and storage)	-25°C to +85°C (25/85/21)
Design corresponding to	UL 60939-3, CSA Std C22.2 No. 8-13, IEC/EN 60939-3, GB/T15287, GB/T15288
Flammability corresponding to	Inlet plastic: UL 94 V-0 Fuseholder plastic: UL 94 V-0
MTBF @ 40°C/230 V (Mil-HB-217F)	2,200,000 hours
Fuse holder	1 or 2 fuses (Ø5 x 20 mm) (certified to IEC 60127-6)

Approvals & Compliances



The FN9260 power entry module combines an IEC inlet, mains filter with excellent filter attenuation and fuses in a small form factor. Choosing FN9260 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

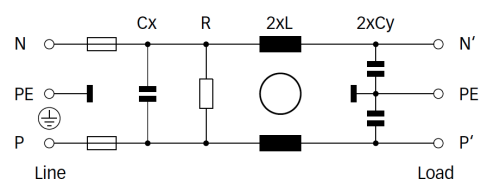
- Exceptional conducted attenuation performance, based on chokes with high saturation resistance and excellent thermal behavior
- FN9260 B versions comply with the requirements of 1 MOP acc. to IEC/EN 60601-1 for creepage and clearance, leakage current and high potential testing
- Versions up to 10 A are available with fuse holder for one or two fuses
- Custom-specific versions are available on request

Typical applications

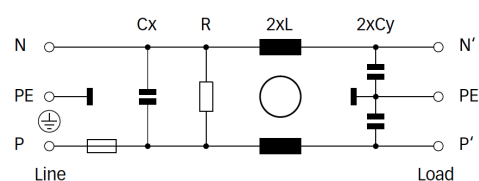
- Portable electrical and electronic equipment
- Medical equipment
- Small to medium-sized machines and household equipment
- Single-phase power supplies, switch-mode power supplies
- Test and measurement equipment

Typical electrical schematic

FN 9260 (B types without Y-capacitors)



FN 261



Filter selection table

Filter	Buy	Rated current @ 40°C (25°C)	Leakage current* @ 250 VAC/50 Hz (@ 120 VAC/60 Hz)	Inductance** L	Capacitance**		Resistance** R	Output connections		Fuses*** [Qty]	Weight [g]
					Cx	Cy					
		[A]	[mA]	[mH]	[μF]	[nF]	[kΩ]				
FN9260v-1-yy-zz		1 (1.2)	0.31 (0.18)	5.3	0.1	2.2	1000	-06	-07	2	55
FN9260v-2-yy-zz		2 (2.3)	0.31 (0.18)	2.7	0.1	2.2	1000	-06	-07	2	55
FN9260v-4-yy-zz		4 (4.6)	0.31 (0.18)	1.0	0.1	2.2	1000	-06	-07	2	55
FN9260v-6-yy-zz		6 (6.9)	0.31 (0.18)	0.3	0.1	2.2	1000	-06	-07	2	55
FN9260v-10-yy-zz		10 (11.5)	0.31 (0.18)	0.2	0.1	2.2	1000	-06	-07	2	55
FN9260vA1-1-yy-zz		1 (1.2)	0.03 (0.02)	5.3	0.1	0.22	1000	-06	-07	2	55
FN9260vA-2-yy-zz		2 (2.3)	0.07 (0.04)	2.7	0.1	0.47	1000	-06	-07	2	55
FN9260vA-4-yy-zz		4 (4.6)	0.07 (0.04)	1.0	0.1	0.47	1000	-06	-07	2	55
FN9260vA-6-yy-zz		6 (6.9)	0.07 (0.04)	0.3	0.1	0.47	1000	-06	-07	2	55
FN9260vA-10-yy-zz		10 (11.5)	0.07 (0.04)	0.2	0.1	0.47	1000	-06	-07	2	55
FN9260vB-1-yy-zz		1 (1.2)	0.00	5.3	0.1		1000	-06	-07	2	55
FN9260vB-2-yy-zz		2 (2.3)	0.00	2.7	0.1		1000	-06	-07	2	55
FN9260vB-4-yy-zz		4 (4.6)	0.00	1.0	0.1		1000	-06	-07	2	55
FN9260vB-6-yy-zz		6 (6.9)	0.00	0.3	0.1		1000	-06	-07	2	55
FN9260vB-10-yy-zz		10 (11.5)	0.00	0.2	0.1		1000	-06	-07	2	55
FN261v-1-06-zz		1 (1.2)	0.31 (0.18)	5.3	0.1	2.2	1000	-06		1	55
FN261v-2-06-zz		2 (2.3)	0.31 (0.18)	2.7	0.1	2.2	1000	-06		1	55
FN261v-4-06-zz		4 (4.6)	0.31 (0.18)	1.0	0.1	2.2	1000	-06		1	55
FN261v-6-06-zz		6 (6.9)	0.31 (0.18)	0.3	0.1	2.2	1000	-06		1	55
FN261v-10-06-zz		10 (11.5)	0.31 (0.18)	0.2	0.1	2.2	1000	-06		1	55

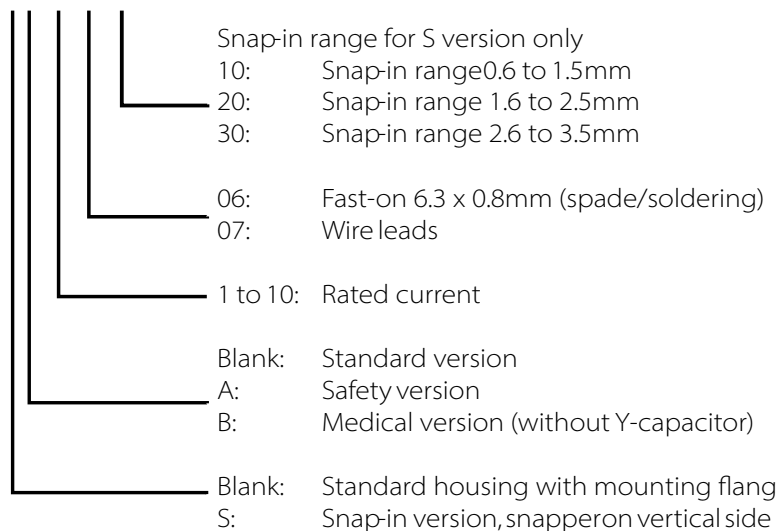
* Leakage current under normal operating conditions (acc. to IEC60939-3). Note: if the neutral line is interrupted, worst case leakage could reach twice this level.

** Tolerances apply: Inductance: -30/+50%, Capacitance: ±20%, Resistance: ±10%

*** Fuses are not included in the filter and need to be selected according to application

Product selector

FN9260vwxx-yy-zz

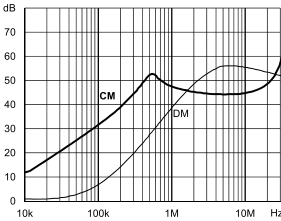


For example: FN9260-1-06-10, FN9260SB-10-06-20, FN261S-6-06-30

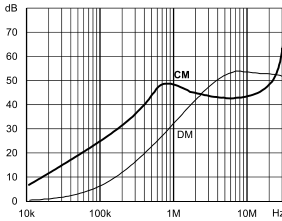
Typical filter attenuation

Per CISPR 17; DM (differential mode)=50 Ω/50 Ω sym; CM (common mode)=50 Ω/50 Ω asym

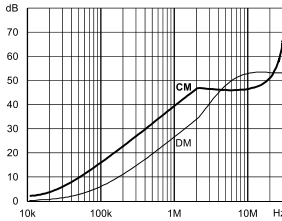
FN261/ FN9260: 1 A type



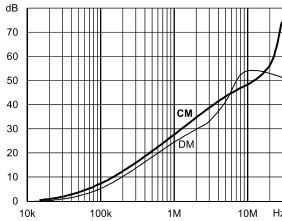
FN261/ FN9260: 2 A type



FN261/ FN9260: 4 A type



FN261/ FN9260: 6 and 10 A types



Mechanical data

FN9260w-xx-06-zz / FN261

FN9260Sw-xx-06-zz / FN261S

FN9260w-xx-07-zz

FN9260Sw-xx-07-zz

Panel cut out

Installation

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

Dimensions

	FN9260vw-xx-06-zz FN261 Fast-On	FN9260vw-xx-07-zz Wire leads**	FN9260Sw-xx-06-zz FN261 Fast-On	FN9260Sw-xx-07-zz Wire leads**	Tolerances
A	46	46	34	34	±0.3
B	35	35	35	35	±0.3
C	36	36			±0.3
D	41	50	41	50	
E	27.8	27.8	27.8	27.8	+0.3/-0
F	5.5	5.5	5.5	5.5	±0.3
G	32	32	32	32	+0.3/-0
H	Ø3.2	Ø3.2			±0.1
I	14±0.5	160±5**	14±0.5	160±5**	
J	12.5	7.8	12.5	7.8	
M	R ≤3.5	R ≤3.5	R ≤3.5	R ≤3.5	
N	33 +0.3/-0	33 +0.3/-0	33 +0.2/-0	33 +0.2/-0	
P	29 ±0.3	29 ±0.3	29.5 ±0.2	29.5 ±0.2	
R*	M3	M3			
S	90°	90°			
Z		6		6	

*Recommended torque for M3 (90° countersunk flat head) is 0.5 Nm

** 1 A - 6 A - AWG18; 10 A - AWG16

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

Please visit www.schaffner.com to find more details on filter connections.

Accessories

Power Cord with angled Locking System C13



- | Locking system for standardized IEC C14 inlet filter
- | No accidental disconnection
- | Rated current up to 15 A
- | Fits any Schaffner IEC C14 inlet filter
- | Retrofit for any IEC C14 inlet
- | Various power line plugs for international usage

[Datasheet PDF >](#)

IL 13P IEC C13 Rewireable Angled Connectors with Locking System



- | Locking system for standardized IEC C14 inlet filter
- | No accidental disconnection
- | Rated current up to 15 A
- | Fits any Schaffner IEC C14 inlet filter
- | Retrofit for any IEC C14 inlet
- | Various power line plugs for international usage

[Datasheet PDF >](#)

IL 13P IEC C13 Rewireable Connectors with Locking System



- | Guards against accidental disconnection
- | Requires no other equipment or special inlets to secure it
- | Rewireable - offering total flexibility when assembling cables
- | Fits any Schaffner IEC C14 inlet Filter
- | Can be retrofitted
- | Various power line plugs for international usage
- | LSZH - Low smoke zero halogen

[Datasheet PDF >](#)



Headquarters, global innovation and development

Switzerland

Schaffner Group

Industrie Nord
Nordstrasse 11e
4542 Luterbach
T +41 32 681 66 26
info@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
www.schaffner.com.cn

Finland

Schaffner Oy

Sauvonrinne 19 H
08500 Lohja
T +358 50 468 7284
finlandsales@schaffner.com

France

Schaffner EMC S.A.S.

16-20 Rue Louis Rameau
95875 Bezons
T +33 1 34 34 30 60
F +33 1 39 47 02 28
francesales@schaffner.com

Germany

Schaffner Deutschland GmbH

Schoemperlenstrasse 12B
76185 Karlsruhe
T +49 721 56910
germanysales@schaffner.com

India

Schaffner India Pvt. Ltd

REGUS WORLD TRADE CENTRE
WTC, 22nd Floor Unit No 2238, Brigade
Gateway Campus, 26/1, Dr. Rajkumar Road
Malleshwaram (W)
560055 Bangalore
T +91 80 67935355
indiasales@schaffner.com

Italy

Schaffner EMC S.r.l.

Via Ticino, 30
20900 Monza (MB)
T +39 039 21 41 070
italysales@schaffner.com

Japan

Schaffner EMC K.K.

Taiju-Seimei Sangenjaya Bldg.
1-32-12, Kamiuma, Setagaya-ku
154-0011 Tokyo
T +81 3 5712 3650
F +81 3 5712 3651
japansales@schaffner.com
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

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

Sweden

Schaffner EMC AB

Östermalmstorg 1
114 42 Stockholm
T +46 8 5050 2425
swedensales@schaffner.com
www.schaffner.com

Switzerland

Schaffner EMV AG

Industrie Nord
Nordstrasse 11e
4542 Luterbach
T +41 32 681 66 88
T +41 32 681 66 26
switzerlandsales@schaffner.com

Taiwan

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
www.schaffner.com.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

United Kingdom

Schaffner Ltd.

1, Oakmede Place
Binfield
RG42 4JF Berkshire
T +44 118 9770070
F +44 118 9792969
uksales@schaffner.com

USA

Schaffner EMC Inc.

52 Mayfield Avenue
Edison, New Jersey
T +1 732 225 9533
F +1 732 225 4789
usasales@schaffner.com
www.schaffnerusa.com

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