

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



Performance indicators

Attenuation performance



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, 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)
Operating voltage	250 VAC, 50/60 Hz

Approvals & Compliances



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

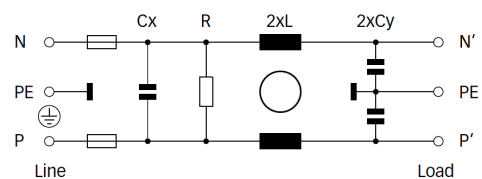
- Exceptional conducted attenuation performance, based on chokes with high saturation resistance and excellent thermal behavior
- FN 9260 B versions comply with the requirements of 1MOP acc. to IEC/EN 60601-1 for creepage and clearance, leakage current and high potential testing
- Versions up to 10 A are available with fuse holder for one or two fuses
- Custom-specific versions are available on request

Typical applications

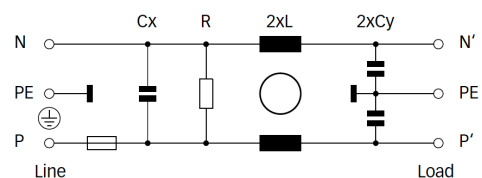
- Portable electrical and electronic equipment
- Medical equipment
- Small to medium-sized machines and household equipment
- Single-phase power supplies, switch-mode power supplies
- Test and measurement equipment

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	Input/Output connections	Fuses*** [Qty]	Weight [g]
					Cx	Cy				
		[A]	[mA]	[mH]	[μF]	[nF]	[kΩ]			
FN9260x-1-06-y		1 (1.2)	0.31 (0.18)	5.3	0.1	2.2	1000	-06	2	55
FN9260x-2-06-y		2 (2.3)	0.31 (0.18)	2.7	0.1	2.2	1000	-06	2	55
FN9260x-4-06-y		4 (4.6)	0.31 (0.18)	1.0	0.1	2.2	1000	-06	2	55
FN9260x-6-06-y		6 (6.9)	0.31 (0.18)	0.3	0.1	2.2	1000	-06	2	55
FN9260x-10-06-y		10 (11.5)	0.31 (0.18)	0.2	0.1	2.2	1000	-06	2	55
FN9260xA1-1-06-y		1 (1.2)	0.03 (0.02)	5.3	0.1	0.22	1000	-06	2	55
FN9260xA-2-06-y		2 (2.3)	0.07 (0.04)	2.7	0.1	0.47	1000	-06	2	55
FN9260xA-4-06-y		4 (4.6)	0.07 (0.04)	1.0	0.1	0.47	1000	-06	2	55
FN9260xA-6-06-y		6 (6.9)	0.07 (0.04)	0.3	0.1	0.47	1000	-06	2	55
FN9260xA-10-06-y		10 (11.5)	0.07 (0.04)	0.2	0.1	0.47	1000	-06	2	55
FN9260xB-1-06-y		1 (1.2)	0.00	5.3	0.1		1000	-06	2	55
FN9260xB-2-06-y		2 (2.3)	0.00	2.7	0.1		1000	-06	2	55
FN9260xB-4-06-y		4 (4.6)	0.00	1.0	0.1		1000	-06	2	55
FN9260xB-6-06-y		6 (6.9)	0.00	0.3	0.1		1000	-06	2	55
FN9260 xB-10-06-y		10 (11.5)	0.00	0.2	0.1		1000	-06	2	55
FN261x-1-06-y		1 (1.2)	0.31 (0.18)	5.3	0.1	2.2	1000	-06	1	55
FN261x-2-06-y		2 (2.3)	0.31 (0.18)	2.7	0.1	2.2	1000	-06	1	55
FN261x-4-06-y		4 (4.6)	0.31 (0.18)	1.0	0.1	2.2	1000	-06	1	55
FN261x-6-06-y		6 (6.9)	0.31 (0.18)	0.3	0.1	2.2	1000	-06	1	55
FN261x-10-06-y		10 (11.5)	0.31 (0.18)	0.2	0.1	2.2	1000	-06	1	55

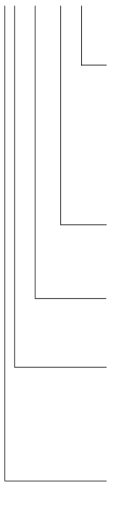
* Leakage current under normal operating conditions (acc. to IEC60939-3). Note: if the neutral line is interrupted, worst case leakage could reach twice this level.

** 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

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

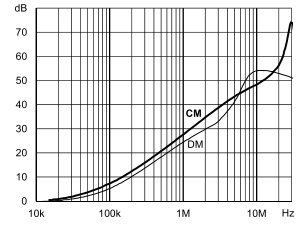
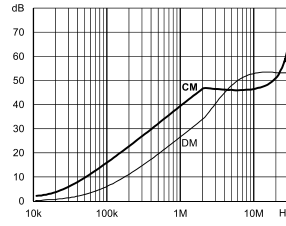
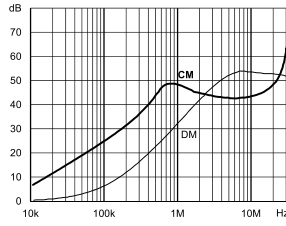
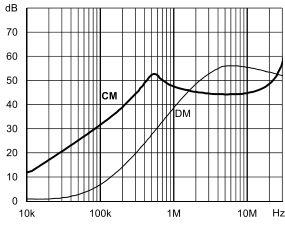
Per CISPR 17; A=50 Ω/50 Ω sym; B=50 Ω/50 Ω asym; C=0.1 Ω/100 Ω sym; D=100 Ω/0.1 Ω sym

FN 261/ FN 9260: 1 A type

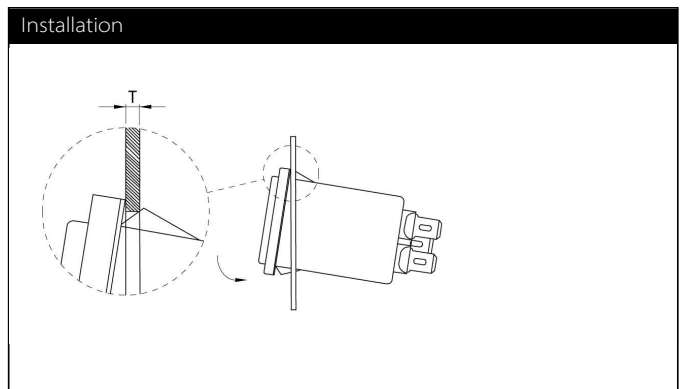
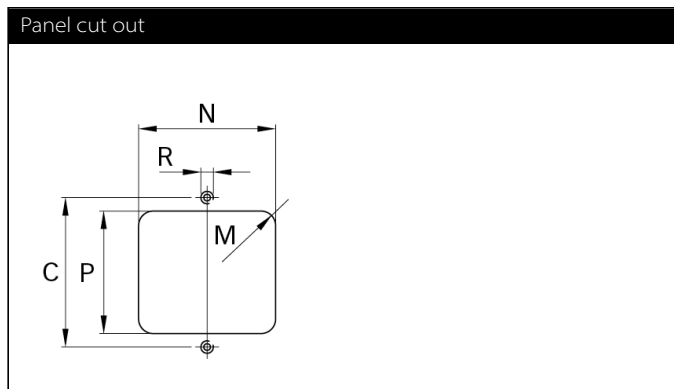
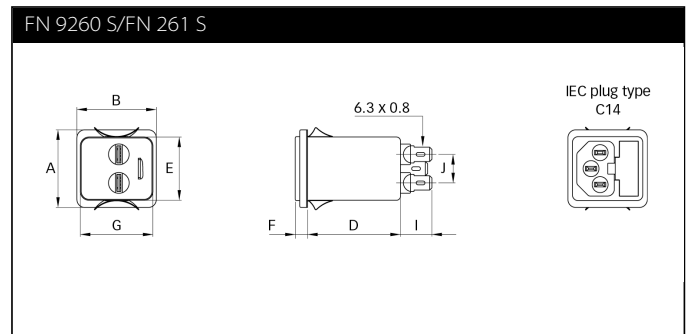
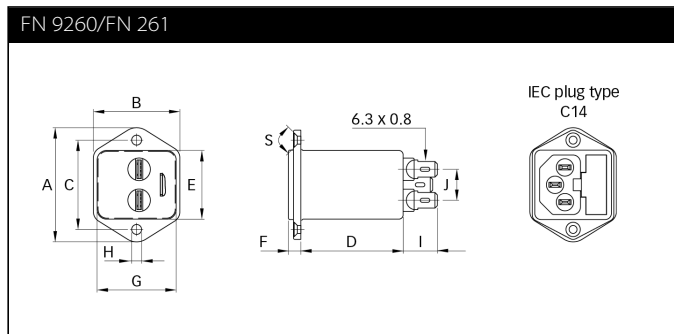
FN 261/ FN 9260: 2 A type

FN 261/ FN 9260: 4 A type

FN 261/ FN 9260: 6 and 10 A types



Mechanical data



Dimensions

	FN 261 FN 9260	FN 261 S 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	Ø3.2		±0.1
I	14	14	±0.5
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	

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

** 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 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 >](#)



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