

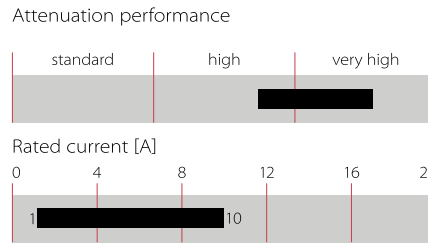
# High Performance Power Entry Module with Switch



- Rated currents up to 10 A
- High quality 2-pole rocker switch
- Optional safety version (A type)
- Complies with IEC/EN 60601-1 (B type)
- Snap-in versions (S type)
- Good attenuation performance



### Performance indicators



### Approvals



The FN 9266 power entry module combines an IEC inlet, mains filter with very high filter attenuation based on nano crystalline material selection and a switch in a small form factor. Choosing FN 9266 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, mounting possibilities and filters for medical applications (acc. to IEC 60601-1 with low leakage current and high performance) are designed to offer you the desired solution.

## Technical specifications

<b>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) P → PE 2500 VAC for 2 sec (B-types) P → N 760 VAC for 2 sec
<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 60939-3, CSA Std C22.2 No. 8, IEC/EN 60939-3, GB/T 15287, GB/T 15288
<b>Flammability corresponding to</b>	Inlet plastic: UL 94 V-0 Switch plastic: UL 94 V-0
<b>MTBF @ Rated amb. Temp./Voltage (Mil-HB-217F)</b>	2,100,000 hours
<b>Rocker switch description</b>	
<b>Function</b>	2-pole, dark not illuminated Marking I – 0
<b>Electrical specifications</b>	Inrush current 100 A 50,000 on-off operations for 10 A according to EN 610581-1
<b>Switch ratings</b>	
<b>Europe (ENEC)</b>	10 A (4 A), 250 VAC* 5E4 16 A (4 A), 250 VAC* 1E4
<b>USA (UL)</b>	20 A, 125 VAC 1 HP; 250 VAC 2 HP;

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

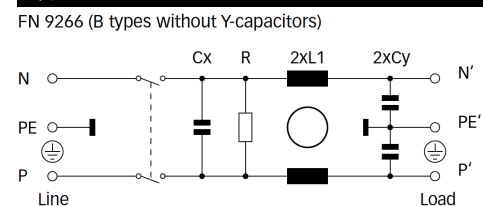
## Features and benefits

- Excellent conducted attenuation performance, based on chokes with high saturation resistance and good thermal behavior
- High quality 2-pole rocker switch for all-pole disconnection
- Faston terminals for easy assembly
- B types comply with the requirements of IEC/EN 60601-1 (1MOPP) for creepage and clearance, leakage current and high potential testing
- As flange mount and snap-in types available


## Typical applications

- Medical electrical devices (MD) and In-Vitro Diagnostic (IVD) medical devices
- Portable electrical and electronic equipment
- EDP and office equipment
- Single-phase power supplies
- Switch-mode power supplies
- Test and measurement equipment

### Typical electrical schematic



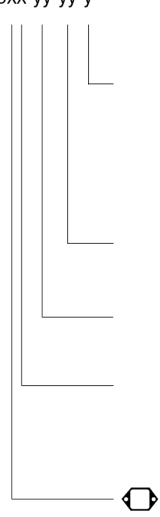
## Filter selection table


	Rated current @ 40°C	Leakage current* @ 250 VAC/50 Hz (@ 120 VAC/60 Hz)	Inductance L	Capacitance		Resistor R	Output connections	Weight
				Cx	Cy			
	[A]	[mA]	[mH]	[μF]	[nF]	[kΩ]		[g]
<b>FN 9266-1-06</b>	1	0.31 (0.18)	40	0.15	2.2	1000	-06	55
<b>FN 9266-2-06</b>	2	0.31 (0.18)	20	0.15	2.2	1000	-06	55
<b>FN 9266-4-06</b>	4	0.31 (0.18)	7	0.15	2.2	1000	-06	55
<b>FN 9266-6-06</b>	6	0.31 (0.18)	3	0.15	2.2	1000	-06	55
<b>FN 9266-10-06</b>	10	0.31 (0.18)	1.15	0.15	2.2	1000	-06	55
<b>FN 9266A-1-06</b>	1	0.07 (0.04)	40	0.15	0.47	1000	-06	55
<b>FN 9266A-2-06</b>	2	0.07 (0.04)	20	0.15	0.47	1000	-06	55
<b>FN 9266A-4-06</b>	4	0.07 (0.04)	7	0.15	0.47	1000	-06	55
<b>FN 9266A-6-06</b>	6	0.07 (0.04)	3	0.15	0.47	1000	-06	55
<b>FN 9266A-10-06</b>	10	0.07 (0.04)	1.15	0.15	0.47	1000	-06	55
<b>FN 9266B-1-06</b>	1	0.00	40	0.15		1000	-06	55
<b>FN 9266B-2-06</b>	2	0.00	20	0.15		1000	-06	55
<b>FN 9266B-4-06</b>	4	0.00	7	0.15		1000	-06	55
<b>FN 9266B-6-06</b>	6	0.00	3	0.15		1000	-06	55
<b>FN9266B-10-06</b>	10	0.00	1.15	0.15		1000	-06	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.

Product selector

FN 9266xx-yy-yy-y



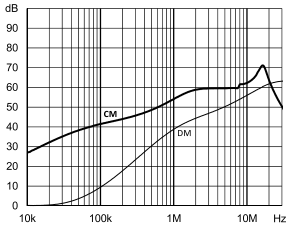
- Snap-in range for S version only
  - Blank: Snap-in range 0.6 to 1.5mm
  - 20: Snap-in range 1.6 to 2.5mm
  - 30: Snap-in range 2.6 to 3.5mm
- 06: Faston 6.3 x 0.8mm (spade/soldering)
- 1 to 10: Rated current
- Blank: Standard version
- A: Safety version
- B: Medical version (without Y-capacitor)
-  Blank: Standard housing with mounting flanges
- S: Snap-in version, snapper on vertical side

For example: FN 9266-1-06, FN 9266 SB-10-06

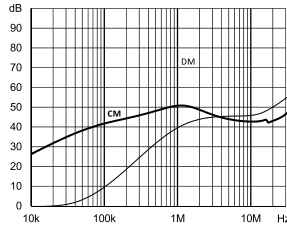
### Typical filter attenuation

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

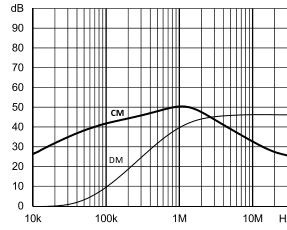
FN 9266 Standard Type 1 A



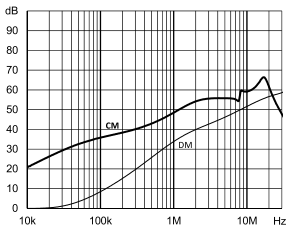
FN 9266 A Type 1 A



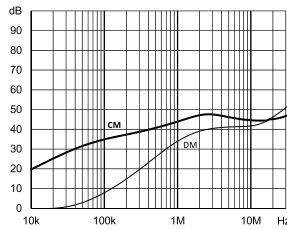
FN 9266 B Type 1 A



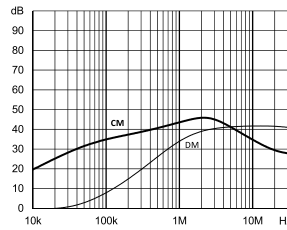
FN 9266 Standard Type 2 A



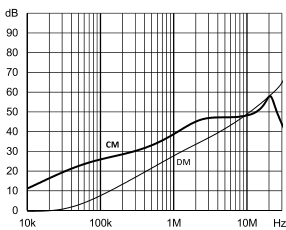
FN 9266 A Type 2 A



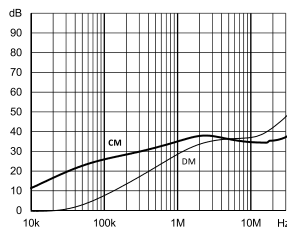
FN 9266 B Type 2 A



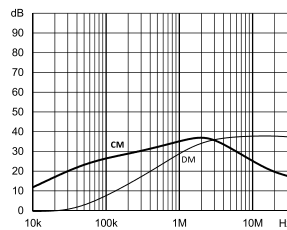
FN 9266 Standard Type 4 A



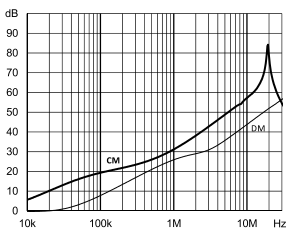
FN 9266 A Type 4 A



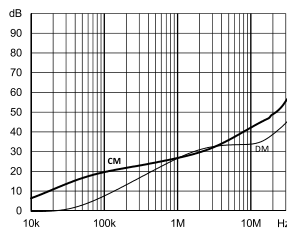
FN 9266 B Type 4 A



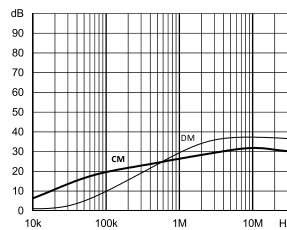
FN 9266 Standard Type 6 A



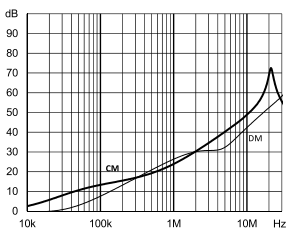
FN 9266 A Type 6 A



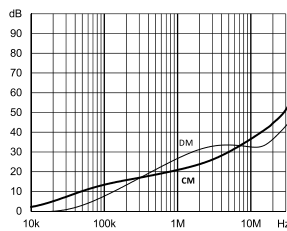
FN 9266 B Type 6 A



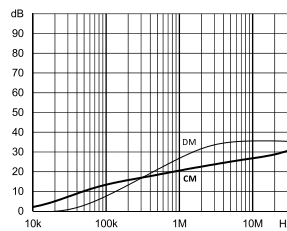
FN 9266 Standard Type 10 A



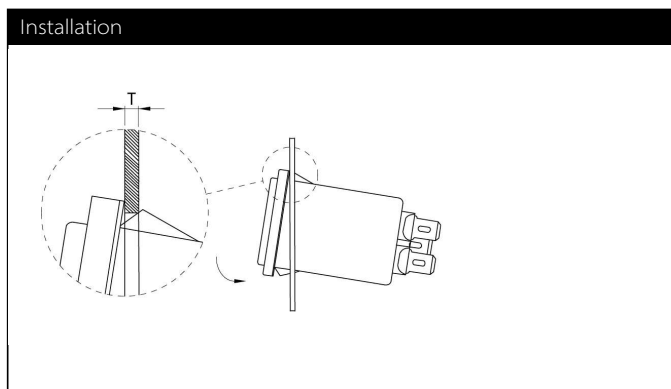
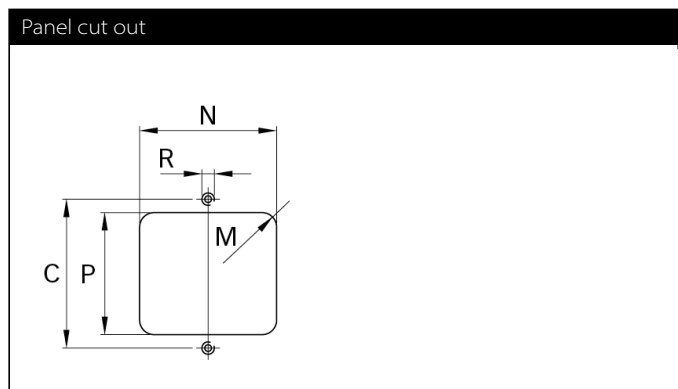
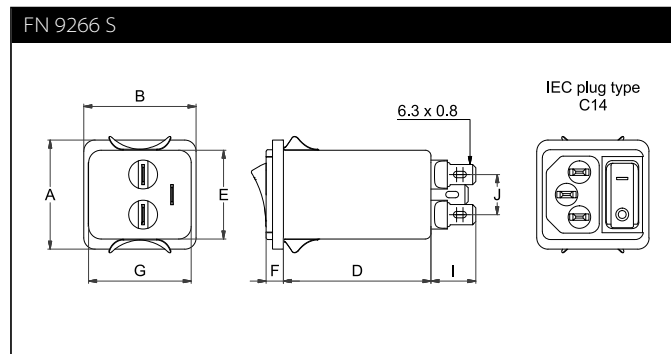
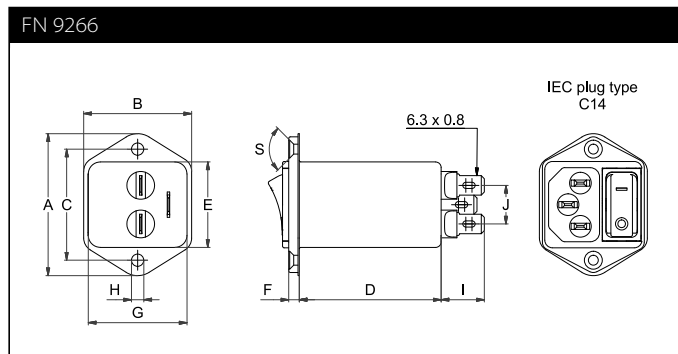
FN 9266 A Type 10 A



FN 9266 B Type 10 A



## Mechanical data



## Dimensions

	FN 9266	FN 9266 S	Tolerances
A	46	34	±0.3
B	35	35	±0.3
C	36		±0.3
D	46	46	±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 +0.3/-0	33 +0.2/-0	
P	29 ±0.3	29.5 ±0.2	
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 to: 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  
[info@schaffner.com](mailto: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](mailto:cschina@schaffner.com)  
[www.schaffner.com.cn](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.

16-20 Rue Louis Rameau  
95875 Bezons  
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

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](mailto:indiasales@schaffner.com)

### Italy

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

Via Ticino, 30  
20900 Monza (MB)  
T +39 039 21 41 070  
[italysales@schaffner.com](mailto: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](mailto:japansales@schaffner.com)  
[www.schaffner.jp](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

Östermalmstorg 1  
114 42 Stockholm  
T +46 8 5050 2425  
[swedensales@schaffner.com](mailto:swedensales@schaffner.com)  
[www.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)  
[www.schaffner.com.tw](http://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](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  
Edison, New Jersey  
T +1 732 225 9533  
F +1 732 225 4789  
[usasales@schaffner.com](mailto:usasales@schaffner.com)  
[www.schaffnerusa.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

To find your local partner within Schaffner's global network: [www.schaffner.com](http://www.schaffner.com)

© 2018 Schaffner Group

The content of this document has been carefully checked and understood. However, neither Schaffner nor its subsidiaries assume any liability whatsoever for any errors or inaccuracies of this document and the consequences thereof. Published specifications are subject to change without notice. Product suitability for any area of application must ultimately be determined by the customer. In all cases, products must never be operated outside their published specifications. Schaffner does not guarantee the availability of all published products. This disclaimer shall be governed by substantive Swiss law and resulting disputes shall be settled by the courts at the place of business of Schaffner Holding AG. Latest publications and a complete disclaimer can be downloaded from the Schaffner website. All trademarks recognized.



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.