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

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

Technical specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum continuous operating voltage</td>
<td>250 VAC, 50/60 Hz</td>
</tr>
<tr>
<td>Operating frequency</td>
<td>DC to 400 Hz</td>
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<tr>
<td>Rated currents</td>
<td>1 to 10 A @ 40°C max</td>
</tr>
</tbody>
</table>
| 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 (MII-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

- UL
- CE
- ROHS
- CEC

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
## Filter selection table

<table>
<thead>
<tr>
<th>Filter</th>
<th>Buy</th>
<th>Rated current @ 40°C (25°C)</th>
<th>Leakage current(^*) @ 250 VAC/50 Hz (@ 120 VAC/60 Hz)</th>
<th>Inductance**</th>
<th>Capacitance**</th>
<th>Resistance**</th>
<th>Input/Output connections</th>
<th>Fuses***</th>
<th>Weight</th>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>[A]</td>
<td>[mA]</td>
<td>[mH]</td>
<td>[μF]</td>
<td>[nF]</td>
<td>[kΩ]</td>
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<tr>
<td>FN9260x-1-06-y</td>
<td>1 (1.2)</td>
<td>0.31 (0.18)</td>
<td>5.3</td>
<td>0.1</td>
<td>2.2</td>
<td>1000</td>
<td>-6</td>
<td>2</td>
<td>55</td>
</tr>
<tr>
<td>FN9260x-2-06-y</td>
<td>2 (2.3)</td>
<td>0.31 (0.18)</td>
<td>2.7</td>
<td>0.1</td>
<td>2.2</td>
<td>1000</td>
<td>-6</td>
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<td>55</td>
</tr>
<tr>
<td>FN9260x-4-06-y</td>
<td>4 (4.6)</td>
<td>0.31 (0.18)</td>
<td>1.0</td>
<td>0.1</td>
<td>2.2</td>
<td>1000</td>
<td>-6</td>
<td>2</td>
<td>55</td>
</tr>
<tr>
<td>FN9260x-6-06-y</td>
<td>6 (6.9)</td>
<td>0.31 (0.18)</td>
<td>0.3</td>
<td>0.1</td>
<td>2.2</td>
<td>1000</td>
<td>-6</td>
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<tr>
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<td>1000</td>
<td>-6</td>
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<td>FN9260xA1-1-06-y</td>
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<td>0.03 (0.02)</td>
<td>5.3</td>
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<tr>
<td>FN9260xA-2-06-y</td>
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<td>0.07 (0.04)</td>
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<td>1000</td>
<td>-6</td>
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<td>55</td>
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<tr>
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<td>0.07 (0.04)</td>
<td>0.2</td>
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<td>0.47</td>
<td>1000</td>
<td>-6</td>
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<td>FN9260xB-1-06-y</td>
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<td>0.00</td>
<td>5.3</td>
<td>0.1</td>
<td>1000</td>
<td>-6</td>
<td>2</td>
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<tr>
<td>FN9260xB-2-06-y</td>
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<td>0.00</td>
<td>2.7</td>
<td>0.1</td>
<td>1000</td>
<td>-6</td>
<td>2</td>
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<tr>
<td>FN9260xB-4-06-y</td>
<td>4 (4.6)</td>
<td>0.00</td>
<td>1.0</td>
<td>0.1</td>
<td>1000</td>
<td>-6</td>
<td>2</td>
<td>55</td>
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<tr>
<td>FN9260xB-6-06-y</td>
<td>6 (6.9)</td>
<td>0.00</td>
<td>0.3</td>
<td>0.1</td>
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<td>2</td>
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<tr>
<td>FN9260xB-10-06-y</td>
<td>10 (11.5)</td>
<td>0.00</td>
<td>0.2</td>
<td>0.1</td>
<td>1000</td>
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<td>FN261x-1-06-y</td>
<td>1 (1.2)</td>
<td>0.31 (0.18)</td>
<td>5.3</td>
<td>0.1</td>
<td>2.2</td>
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<td>FN261x-2-06-y</td>
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<td>FN261x-4-06-y</td>
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<td>FN261x-6-06-y</td>
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<tr>
<td>FN261x-10-06-y</td>
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<td>2.2</td>
<td>1000</td>
<td>-6</td>
<td>1</td>
<td>55</td>
</tr>
</tbody>
</table>

* 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.

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### Product selector

- **FN 9260x-yy-yy**: 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
- **FN 261x-yy-yy**: Fasten 6.3 x 0.8mm (spade/soldering)
- **Blank**: Standard version
- **A**: Safety version
- **B**: Medical version (without Y-capacitor)
- **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

**FN 9260/FN 261**

**FN 9260 S/FN 261 S**

Panel cut out

Installation
## Dimensions

<table>
<thead>
<tr>
<th></th>
<th><strong>FN 261</strong></th>
<th><strong>FN 261 S</strong></th>
<th><strong>FN 9260</strong></th>
<th><strong>FN 9260 S</strong></th>
<th><strong>Tolerances</strong></th>
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<tr>
<td><strong>A</strong></td>
<td>46</td>
<td>34</td>
<td></td>
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<td><strong>B</strong></td>
<td>35</td>
<td>35</td>
<td></td>
<td></td>
<td>±0.3</td>
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<td><strong>C</strong></td>
<td>36</td>
<td>35</td>
<td></td>
<td></td>
<td>±0.3</td>
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<td><strong>D</strong></td>
<td>41</td>
<td>41</td>
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<td></td>
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<tr>
<td><strong>G</strong></td>
<td>32</td>
<td>32</td>
<td></td>
<td></td>
<td>+0.3/-0</td>
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<td><strong>H</strong></td>
<td>Ø3.2</td>
<td></td>
<td>Ø3.2</td>
<td></td>
<td>±0.1</td>
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<tr>
<td><strong>I</strong></td>
<td>14</td>
<td>14</td>
<td></td>
<td></td>
<td>±0.5</td>
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<tr>
<td><strong>J</strong></td>
<td>12.5</td>
<td>12.5</td>
<td></td>
<td></td>
<td>±0.3</td>
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<tr>
<td><strong>M</strong></td>
<td>R ≤3.5</td>
<td>R ≤3.5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>N</strong></td>
<td>33</td>
<td>33</td>
<td></td>
<td></td>
<td>+0.3/-0</td>
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<tr>
<td><strong>P</strong></td>
<td>29</td>
<td>29.5</td>
<td></td>
<td></td>
<td>±0.3</td>
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<td><strong>R</strong></td>
<td>M3</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td><strong>S</strong></td>
<td>90°</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td><strong>T</strong></td>
<td></td>
<td></td>
<td>0.6-1.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>T</strong></td>
<td></td>
<td></td>
<td>1.6-2.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>T</strong></td>
<td></td>
<td></td>
<td>2.6-3.5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* 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](http://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

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

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
Headquarters, global innovation and development

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
ccchina@schaffner.com
www.schaffner.com.cn

Finland
Schaffner Oy
Sauvonnirinne 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 128
76185 Karlsruhe
T +49 721 56910
F +49 721 569110
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, Kumasuma, 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 Calendula 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
Ostermalmstorg 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
F +41 32 681 66 26
switzerlandsales@schaffner.com

Taiwan
Schaffner EMC 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 Muang 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 +44 118 977 0070
F +44 118 979 2969
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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