General Purpose Power Entry Module with Switch

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

Performance indicators

<table>
<thead>
<tr>
<th>Attenuation performance</th>
<th>standard</th>
<th>high</th>
<th>very high</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated current [A]</td>
<td>0</td>
<td>4</td>
<td>8</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>16</td>
<td>20</td>
</tr>
</tbody>
</table>

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>
</tr>
<tr>
<td>Rated currents</td>
<td>1 to 10 A at 40°C max.</td>
</tr>
<tr>
<td>High potential test voltage for capacitors</td>
<td>P -&gt; PE 2000 VAC for 2 sec (Standard)</td>
</tr>
<tr>
<td></td>
<td>P -&gt; PE 2500 VAC for 2 sec (B-types)</td>
</tr>
<tr>
<td></td>
<td>P -&gt; N 760 VAC for 2 sec</td>
</tr>
<tr>
<td>Protection category</td>
<td>IP 40 according to IEC 60529</td>
</tr>
<tr>
<td>Temperature range (operation and storage)</td>
<td>-25°C to +85°C (25/85/21)</td>
</tr>
<tr>
<td>Design corresponding to</td>
<td>UL 60939-3, CSA Std C22.2 No. 8, IEC/EN 60939-3, GB/T15287, GB/T15288</td>
</tr>
<tr>
<td>Flammability corresponding to</td>
<td>UL 94 V-2 or better</td>
</tr>
<tr>
<td>MTBF @ 40°C/230 V (MIL-HB-217F)</td>
<td>≥ 616,000 hours</td>
</tr>
<tr>
<td>Rocker switch description</td>
<td>2-pole, dark not illuminated</td>
</tr>
<tr>
<td></td>
<td>Marking I – 0</td>
</tr>
</tbody>
</table>

Electrical specifications

| Function | Inrush current 100 A |
|          | 50,000 on-off operations for 10 A according to EN 61058-1 |

Switch ratings

<table>
<thead>
<tr>
<th>Europe (ENEC)</th>
<th>USA (UL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 A (4 A), 250 VAC* SE4</td>
<td>20 A, 125 VAC 1 HP, 250 VAC 2 HP,</td>
</tr>
<tr>
<td>16 A (4 A), 250 VAC* 1E4</td>
<td></td>
</tr>
</tbody>
</table>

* Value in () relates to the inductive current charge: cosφ = 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
- FN 9264 B versions comply with the requirements of 1MOP acc. to IEC/EN 60601-1 for creepage and clearance, leakage current and high potential testing
- As flange mount and snap-in types available

Typical applications

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

Typical electrical schematic

![Typical electrical schematic](image)
## Filter selection table

<table>
<thead>
<tr>
<th>Filter</th>
<th>Rated current @ 40°C (25°C)</th>
<th>Leakage current* @ 250 VAC/50 Hz (at 120 VAC/60Hz)</th>
<th>Inductance** L</th>
<th>Capacitance** Cx</th>
<th>Capacitance** Cy</th>
<th>Resistance** R</th>
<th>Output connections</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>FN 9264xx-1-06-y</td>
<td>1 (2.1)</td>
<td>0.31 (0.18)</td>
<td>5.15</td>
<td>0.1</td>
<td>2.2</td>
<td>1000</td>
<td>-06</td>
<td>55</td>
</tr>
<tr>
<td>FN 9264xx-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>-06</td>
<td>55</td>
</tr>
<tr>
<td>FN 9264xx-3-06-y</td>
<td>3 (3.6)</td>
<td>0.31 (0.18)</td>
<td>2</td>
<td>0.1</td>
<td>2.2</td>
<td>1000</td>
<td>-06</td>
<td>55</td>
</tr>
<tr>
<td>FN 9264xx-4-06-y</td>
<td>4 (4.6)</td>
<td>0.31 (0.18)</td>
<td>1</td>
<td>0.1</td>
<td>2.2</td>
<td>1000</td>
<td>-06</td>
<td>55</td>
</tr>
<tr>
<td>FN 9264xx-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>-06</td>
<td>55</td>
</tr>
<tr>
<td>FN 9264xx-10-06-y</td>
<td>10 (11.5)</td>
<td>0.31 (0.18)</td>
<td>0.21</td>
<td>0.1</td>
<td>2.2</td>
<td>1000</td>
<td>-06</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%
Typical filter attenuation

Per CISPR 17; A=50 Ω/50 Ω sym; B=50 Ω/50 Ω asym

1 A Standard types

2 A Standard types

3 A Standard types

4 A types

6 A Standard types

10 A Standard types

1 A B-types

2 A B-types

3 A B-types

4 B types

6 A B-types

10 A B-types
Mechanical data

**FN 9264**

*Panel cut out*

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

**Panel cut out**

**FN 9264 S**

*Panel cut out*

**Installation**

Branch range 1-62 A
**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

To find your local partner within Schaffner’s global network: www.schaffner.com

© 2021 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.

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 Sauvonnurinne 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
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 Malledwaram (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, Kuki-shi, 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 91 712 900
F +34 917 912 901
spainsales@schaffner.com

Switzerland
Schaffner EMV AG
Industrie Nord
Nordstrasse 11e
4542 Luterbach
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 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 9779970
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