High Performance 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)
- High 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>
</tbody>
</table>

Technical specifications

- 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)
  - 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/T 15287, GB/T 15288
- Flammability corresponding to:
  - Inlet plastic: UL 94 V-0
  - Switch plastic: UL 94 V-0
- MTBF @ Rated amb. Temp./Voltage (Mil-HB-217F): 2,100,000 hours
- Rocker switch description:
  - 2-pole, dark not illuminated
  - Marking: I – 0
- Electrical specifications:
  - Inrush current: 100 A
  - 50,000 on-off operations for 10 A according to EN 61058-1
- Switch ratings:
  - Europe (ENEC):
    - 10 A (4 A), 250 VAC* 5E4
    - 16 A (4 A), 250 VAC* 1E4
  - USA (UL):
    - 20 A, 125 VAC 1 HP, 250 VAC 2 HP

* 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 9266 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

- 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

FN 9266 (B types without Y-capacitors)
### Filter selection table

<table>
<thead>
<tr>
<th>Buy</th>
<th>Rated current @ 40°C</th>
<th>Leakage current* (250 VAC/50 Hz)</th>
<th>Inductance**</th>
<th>Capacitance**</th>
<th>Resistor**</th>
<th>Output connections</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>[A]</td>
<td>[mA]</td>
<td>[mH]</td>
<td>[μF]</td>
<td>[nF]</td>
<td>[kΩ]</td>
<td></td>
</tr>
<tr>
<td>FN9266-1-06</td>
<td>1</td>
<td>0.31 (0.18)</td>
<td>40</td>
<td>0.15</td>
<td>2.2</td>
<td>1000</td>
<td>-06</td>
</tr>
<tr>
<td>FN9266-2-06</td>
<td>2</td>
<td>0.31 (0.18)</td>
<td>20</td>
<td>0.15</td>
<td>2.2</td>
<td>1000</td>
<td>-06</td>
</tr>
<tr>
<td>FN9266-4-06</td>
<td>4</td>
<td>0.31 (0.18)</td>
<td>7</td>
<td>0.15</td>
<td>2.2</td>
<td>1000</td>
<td>-06</td>
</tr>
<tr>
<td>FN9266-6-06</td>
<td>6</td>
<td>0.31 (0.18)</td>
<td>3</td>
<td>0.15</td>
<td>2.2</td>
<td>1000</td>
<td>-06</td>
</tr>
<tr>
<td>FN9266-10-06</td>
<td>10</td>
<td>0.31 (0.18)</td>
<td>1.15</td>
<td>0.15</td>
<td>2.2</td>
<td>1000</td>
<td>-06</td>
</tr>
<tr>
<td>FN9266A-1-06</td>
<td>1</td>
<td>0.07 (0.04)</td>
<td>40</td>
<td>0.15</td>
<td>0.47</td>
<td>1000</td>
<td>-06</td>
</tr>
<tr>
<td>FN9266A-2-06</td>
<td>2</td>
<td>0.07 (0.04)</td>
<td>20</td>
<td>0.15</td>
<td>0.47</td>
<td>1000</td>
<td>-06</td>
</tr>
<tr>
<td>FN9266A-4-06</td>
<td>4</td>
<td>0.07 (0.04)</td>
<td>7</td>
<td>0.15</td>
<td>0.47</td>
<td>1000</td>
<td>-06</td>
</tr>
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<td>FN9266A-6-06</td>
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<td>-06</td>
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<tr>
<td>FN9266A-10-06</td>
<td>10</td>
<td>0.07 (0.04)</td>
<td>1.15</td>
<td>0.15</td>
<td>0.47</td>
<td>1000</td>
<td>-06</td>
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<tr>
<td>FN9266B-1-06</td>
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<td>0.00</td>
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<td></td>
<td>1000</td>
<td>-06</td>
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<tr>
<td>FN9266B-2-06</td>
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<td>20</td>
<td>0.15</td>
<td></td>
<td>1000</td>
<td>-06</td>
</tr>
<tr>
<td>FN9266B-4-06</td>
<td>4</td>
<td>0.00</td>
<td>7</td>
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<tr>
<td>FN9266B-6-06</td>
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<td>0.00</td>
<td>3</td>
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<td></td>
<td>1000</td>
<td>-06</td>
</tr>
<tr>
<td>FN9266B-10-06</td>
<td>10</td>
<td>0.00</td>
<td>1.15</td>
<td>0.15</td>
<td></td>
<td>1000</td>
<td>-06</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% to +50%, Capacitance: ±20%, Resistance: ±10%
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

### FN 9266

![FN 9266 Diagram]

### FN 9266 S

![FN 9266 S Diagram]

### Panel cut out

![Panel cut out Diagram]

### Installation

![Installation Diagram]

### Dimensions

<table>
<thead>
<tr>
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<th>FN 9266</th>
<th>FN 9266 S</th>
<th>Tolerances</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>46</td>
<td>34</td>
<td>±0.3</td>
</tr>
<tr>
<td>B</td>
<td>35</td>
<td>35</td>
<td>±0.3</td>
</tr>
<tr>
<td>C</td>
<td>36</td>
<td></td>
<td>±0.3</td>
</tr>
<tr>
<td>D</td>
<td>46</td>
<td>46</td>
<td>±0.3</td>
</tr>
<tr>
<td>E</td>
<td>27.8</td>
<td>27.8</td>
<td>+0.3/-0</td>
</tr>
<tr>
<td>F</td>
<td>5.5</td>
<td>5.5</td>
<td>±0.3</td>
</tr>
<tr>
<td>G</td>
<td>32</td>
<td>32</td>
<td>+0.3/-0</td>
</tr>
<tr>
<td>H</td>
<td>Ø3.2</td>
<td></td>
<td>±0.1</td>
</tr>
<tr>
<td>I</td>
<td>14</td>
<td>14</td>
<td>±0.5</td>
</tr>
<tr>
<td>J</td>
<td>12.5</td>
<td>12.5</td>
<td>±0.3</td>
</tr>
<tr>
<td>M</td>
<td>R ±3.5</td>
<td>R ±3.5</td>
<td></td>
</tr>
<tr>
<td>N</td>
<td>33 ±0.3/-0</td>
<td>33 ±0.2/-0</td>
<td></td>
</tr>
<tr>
<td>P</td>
<td>29 ±0.3</td>
<td>29.5 ±0.2</td>
<td></td>
</tr>
<tr>
<td>R*</td>
<td>M3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>S</td>
<td>90°</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T**</td>
<td>0.6-1.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T**</td>
<td>1.6-2.5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T**</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

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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

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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

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