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>
</tbody>
</table>

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 for capacitors**
  - 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/T15287, GB/T15288
- **Flammability corresponding to**: UL 94 V-2 or better
- **MTBF @ 40°C/230 V (Mil-HB-217F)**: ≥ 616,000 hours
- **Rocker switch description**
  - Function: 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 610581-1
- **Switch ratings**
  - Europe (ENEC): 10 A (4 A), 250 VAC* 5E4
  - 16 A (4 A), 250 VAC* 1E4
  - 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
- 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

FN 9264 (B types without Y-capacitors)
## 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**</th>
<th>Capacitance**</th>
<th>Resistance**</th>
<th>Output connections</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>FN 9264xx-1-06-y</td>
<td>1 (1.2)</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>
</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>
</tr>
<tr>
<td>FN 9264xx-3-06-y</td>
<td>3 (3.6)</td>
<td>0.31 (0.18)</td>
<td>2</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>
</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>
</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>
</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=50Ω/50Ω sym; B=50Ω/50Ω 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**

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

**Panel cut out**

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**FN 9264 S**

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**Panel cut out**

Branch range 1-6x 3 mm²

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**Installation**
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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