Fuseholder
https://www.schurter.com /PG02

Shock-Safe Fuseholder, 5 x 20 / 6.3 x 32 mm, Slotted Cap

Caps must be ordered separately (see accessories)

250 VAC · 4 W/10 A (VDE) · 600 VAC/DC · 20 A (UL/CSA)

Description
- Quick-connect or solder terminals

Technical Data
- Shock-Safe Category: PC2
- Fuse-Link: 5 x 20 or 6.3 x 32 mm
- Mounting: Panel mount, Front Side
- Attachment: Solder or Quick-Connect 4.8 x 0.5 mm
- Rated Voltage: 250 VAC · 600 VAC/DC
- Rated current: 10 A (VDE), 20 A (UL/CSA)
- Rated Power Acceptance IEC: 4 W / 10 A @ Ta 23°C
- Admissible power acceptance at higher ambient temperature see derating curves
- Degree of Protection: IP 40
- Protection Class: Suitable for appliances with protection class I acc. to IEC 61140
- Admissible Ambient Temp.: -40°C to 85°C
- Climatic Category: 40/085/21 acc. to IEC 60668-1
- Material: Socket: Thermoplastic, black, UL 94V-0
- Material: Terminals: Tin-Plated Copper Alloy
- Unit Weight: 5.5 g / 3.22 g
- Storage Conditions: 0°C to 60°C, max. 70% r.h.
- Product Marking: Type, Rated Voltage, Rated current, Certification marks

Soldering Methods
- Iron

Soldering Profile
- Soldering ability: 350°C / 2 - 3 sec acc. to IEC 60068-2-20, Test Ta, method 2
- Resistance to Soldering Heat: 350°C / 10 sec acc. to IEC 60068-2-20, Test Tb, method 2
- Contact Resistance: ≤ 10 mΩ at 100 mA acc. to IEC 60127-6
- Dielectric Strength: > 3 kV
- > 4 kV between L/N-PE (50 Hz: 1 min)
- Impulse Withstand Voltage: > 4 kV between L-N
- > 6 kV between Front Panel and L/N
- Insulation Resistance: > 10 MΩ between L-N
- > 100 MΩ between Front Panel and L/N (500 VDC: 1 min)
- Overvoltage Category: III acc. to IEC 60664-1
- Pollution Degree: 3 acc. to IEC 60664-1
- Admissible Torque on Fixing Nut: max 1.2 Nm
- Panel Thickness: max 7 mm

Approvals and Compliances
Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in Details about Approvals

SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

Approvals
The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products.

Approval Reference Type: FEU

<table>
<thead>
<tr>
<th>Approval Logo</th>
<th>Certificates</th>
<th>Certification Body</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>VDE</td>
<td>VDE Approvals</td>
<td>VDE</td>
<td>VDE Certificate Number: 40045912</td>
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<tr>
<td>UL</td>
<td>UL Approvals</td>
<td>UL</td>
<td>UL File Number: E39328</td>
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See below:
Approvals and Compliances

Weblinks
pdf data sheet, html datasheet, General Product Information, Packaging details, Distributor-Stock-Check, Accessories, Detailed request for product, Microsite
Product standards
Product standards that are referenced

<table>
<thead>
<tr>
<th>Organization</th>
<th>Design</th>
<th>Standard</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IEC</td>
<td>Designed according to</td>
<td>IEC 60127-6</td>
<td>Miniature fuses. Part 6. Fuse-holders for miniature fuse-links</td>
</tr>
<tr>
<td>UL</td>
<td>Designed according to</td>
<td>UL 4248-1</td>
<td>Standard for Safety Fuseholders</td>
</tr>
<tr>
<td>CSA</td>
<td>Designed according to</td>
<td>CSA C22.2 no. 4248.1</td>
<td>Fuseholder general requirements</td>
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</table>

Application standards
Application standards where the product can be used

<table>
<thead>
<tr>
<th>Organization</th>
<th>Design</th>
<th>Standard</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>IEC</td>
<td>Designed for applications acc.</td>
<td>IEC/UL 62368-1</td>
<td>IEC 62368-1 includes the basic requirements for safety of audio, video, information technology and office equipment.</td>
</tr>
<tr>
<td>IEC</td>
<td>Designed for applications acc.</td>
<td>IEC 60335-1</td>
<td>Safety of electrical appliances for household and similar purposes. Meets the requirements for appliances in unattended use. This includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-11 or -12 &amp; -13.</td>
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</table>

Compliances
The product complies with following Guide Lines

<table>
<thead>
<tr>
<th>Identification</th>
<th>Details</th>
<th>Initiator</th>
<th>Description</th>
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<tbody>
<tr>
<td>CE</td>
<td>CE declaration of conformity</td>
<td>SCHURTER AG</td>
<td>The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.</td>
</tr>
<tr>
<td>China RoHS</td>
<td>SCHURTER AG</td>
<td>The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS.</td>
<td></td>
</tr>
<tr>
<td>White Paper Glow wire test</td>
<td>SCHURTER AG</td>
<td>Meets the requirements of IEC 60335-1 for appliances in unattended use. This includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-11 or -12 &amp; -13.</td>
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Dimension [mm]

<table>
<thead>
<tr>
<th>Variant</th>
<th>Dimensions</th>
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<tbody>
<tr>
<td>0031.1653</td>
<td>ø 15</td>
</tr>
<tr>
<td>0031.1673</td>
<td>ø 15</td>
</tr>
<tr>
<td>0031.1693</td>
<td>ø 15</td>
</tr>
<tr>
<td>0031.1694</td>
<td>ø 15</td>
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</tbody>
</table>
### Mounting holes

### Derating Curves

![Derating Curves Diagram]

### All Variants

<table>
<thead>
<tr>
<th>Holder</th>
<th>Cap</th>
<th>Fuse-Link</th>
<th>Terminal</th>
<th>Position End-Terminal</th>
<th>Degree of Protection</th>
<th>Colour Cap</th>
<th>Remark</th>
<th>Order Number</th>
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</thead>
<tbody>
<tr>
<td>●</td>
<td>-</td>
<td>5 x 20 or 6.3 x 32mm</td>
<td>Quick-Connect 4.8 x 0.5</td>
<td>90° to Fuse Axis</td>
<td>IP40</td>
<td>-</td>
<td>-</td>
<td>0031.1693</td>
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<tr>
<td>●</td>
<td>-</td>
<td>5 x 20 or 6.3 x 32mm</td>
<td>Quick-Connect 4.8 x 0.5</td>
<td>Straight to Fuse Axis</td>
<td>IP40</td>
<td>-</td>
<td>-</td>
<td>0031.1694</td>
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<tr>
<td>●</td>
<td>-</td>
<td>5 x 20 or 6.3 x 32mm</td>
<td>Solder</td>
<td>90° to Fuse Axis</td>
<td>IP40</td>
<td>-</td>
<td>-</td>
<td>0031.1653</td>
</tr>
<tr>
<td>●</td>
<td>-</td>
<td>5 x 20 or 6.3 x 32mm</td>
<td>Solder</td>
<td>90° to Fuse Axis</td>
<td>IP40</td>
<td>-</td>
<td>See details in drawing</td>
<td>0031.1673</td>
</tr>
</tbody>
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*Most Popular.*

Availability for all products can be searched real-time: [https://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER](https://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER)

**Packaging Unit**  
Bulk (100 pcs.)
Required Accessory

**Description**

- **Fingergrip FEU, FAU, FAC**
  Caps Fingergrip for Holder FEU, FAU, FAC

- **Caps to FEU, FAU, FAC**
  Caps to Holder FEU, FEU (Med), FAU, FAC

Accessories

- **Nut for fuse holder**
  Mounting accessories for fuse holder