## Shock-Safe Fuseholder, 5 x 20 mm, Slotted Cap/Fingergrip, horizontal, IEC 60335-1

Closed fuseholder 5 x 20 mm
horizontal with slot

Solder
from front side
horizontal with finger grip
fingergrip

### 250 VAC · 2.5 W / 10 A (VDE) · 500 V · 16 A (UL/CSA)

See below:
**Approvals and Compliances**

### Description
- Compact design
- Horizontal style
- Heading with fingergrip and slotted available

### Applications
- Household appliances
- Medical Equipment

### Weblinks
pdf data sheet, html datasheet, General Product Information, Distributor-Stock-Check, Detailed request for product, Microsite

## Technical Data

| | |
|---|---|
| Shock-Safe Category | PC2 |
| Fuse-Link | 5 x 20 mm |
| Mounting | PCB |
| Terminal | Solder THT |
| Rated Voltage | 250 VAC , 500 V (UL/CSA) |
| Rated current | 10 A (VDE), 16 A (UL/CSA) |
| Rated Power Acceptance IEC | 2.5 W / 10 A @ Ta 23 °C Admissible power acceptance at higher ambient temperature see derating curves |
| Degree of Protection | IP40 |
| Protection Class | Suitable for appliances with protection class I acc. to IEC 61140 |
| Admissible Ambient Air Temp. | -40 °C to 85 °C |
| Climatic Category | 40/085/21 acc. to IEC 60068-1 |
| Material: Socket | Thermoplastic, black, UL 94V-0 |
| Material: Terminals | Copper alloy, tin-plated |
| Unit Weight | 4.31 g |
| Storage Conditions | 0 °C to 60 °C, max. 70% r.h. |
| Product Marking | ▣, Type, Rated Voltage, Power Acc./Current Rating, Certification marks |

| | |
|---|---|
| Soldering Methods | Wave Soldering Profile |
| Solderability | 235 °C / 2 sec acc. to IEC 60068-2-20, Test Ta, method 1 |
| Resistance to Soldering Heat | 260 °C / 10 sec acc. to IEC 60068-2-20, Test Tb, method 1A |
| Contact Resistance | ≤ 10 mΩ at 100 mA acc. to IEC 60127-6 |
| Dielectric Strength | > 3 kV between live parts |
| Impulse Withstand Voltage | > 4 kV between live parts |
| Insulation Resistance | ≥ 10 MΩ between live parts (500 VDC: 1 min) |
| Overvoltage Category | II acc. to IEC 60664-1 |
| Pollution Degree | 2 acc. to IEC 60664-1 |
| Resistance to Vibration | acc. to IEC 60068-2-6, test Fc |

## 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: FPG5

| Approval Logo | Certificates | Certification Body | Description |
|---|---|---|---|
| (VDE) | VDE Approvals | VDE | VDE Certificate Number: 40044101 |
| c(UL)us | UL Approvals | UL | UR File Number: E39328 |

## Product standards

Product standards that are referenced

| Organization | Design | Standard | Description |
|---|---|---|---|
| IEC | Designed according to | IEC 60127-6 | Miniature fuses. Part 6. Fuse-holders for miniature fuse-links |
| UL | Designed according to | UL 4248-1 | Industrial Control Equipment |
| CSA Group | Designed according to | CSA C22.2 no. 4248.1 | Industrial Control Equipment |

## Application standards

Application standards where the product can be used

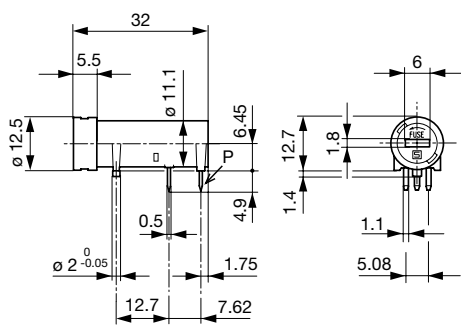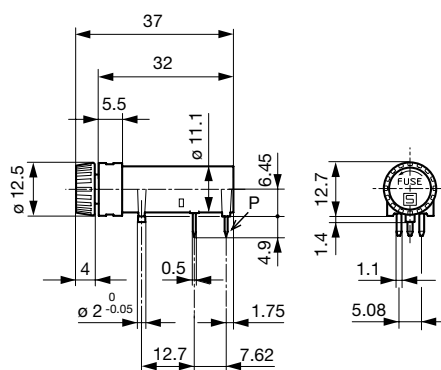| Organization | Design | Standard | Description |
|---|---|---|---|
| IEC | Suitable for applications acc. | IEC/UL 62368-1 | Audio/video, information and communication technology equipment - Part 1: Safety requirements |
| IEC | Suitable for applications acc. | IEC 60335-1 | Safety of electrical appliances 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 & -13. |

## Compliances

The product complies with following Guide Lines

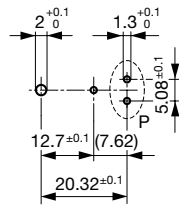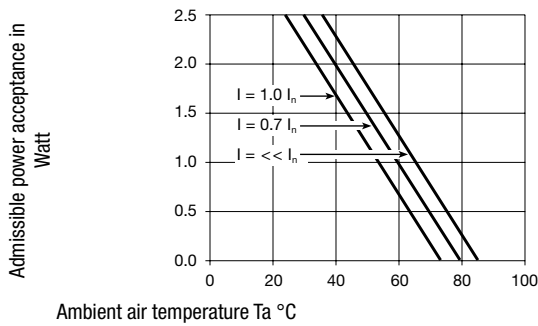| Identification | Details | Initiator | Description |
|---|---|---|---|
| CE | CE declaration of conformity | SCHURTER AG | The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008. |
| UKCA | UKCA declaration of conformity | SCHURTER AG | The UKCA marking declares that the product complies with the applicable requirements laid down in the British Amendment of Regulation (EC) 765/2008. |
| RoHS COMPLIANT | RoHS | SCHURTER AG | Directive RoHS 2011/65/EU, Amendment (EU) 2015/863 |
| China RoHS | China RoHS | SCHURTER AG | The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS. |
| REACH | REACH | SCHURTER AG | On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force. |
| | White Paper Glow wire test | SCHURTER AG | 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 &-13. |

## Dimension [mm]

|————————————| 32 mm



Variant 3101.0050



Variant Fingergrip 3101.0055 / Connector tinned

$2^{+0.1}_{0}$  $1.3^{+0.1}_{0}$

$5.08 \pm 0.1$

P

$12.7 \pm 0.1$ (7.62)

$20.32 \pm 0.1$

Drilling diagram

## Derating Curves

acc. to IEC

Admissible power acceptance in Watt

I = 1.0 $I_n$
I = 0.7 $I_n$
I = << $I_n$

Ambient air temperature Ta °C

## All Variants

| Holder | Cap | Terminal | Material | Remark | Order Number | |
|--------|-----|----------|----------|--------|--------------|---|
| ● | slotted | straight | Thermoplastic | 1000 pcs. | 3-145-707 | ▮ |
| ● | Fingergrip | straight | Thermoplastic | 1000 pcs. | 3-145-709 | ▮ |
| ● | slotted | straight | Thermoplastic | 100 pcs. | 3101.0050 | ▮ |
| ● | Fingergrip | straight | Thermoplastic | 100 pcs. | 3101.0055 | ▮ |

▮ Most Popular.

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

## Packaging Unit

Bulk 186 x 91 x 91 mm (100 pcs.)
Bulk 340 x 240 x 170 mm (1000 pcs.)

26.06.2023

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Schurter](#):
  [3101.0055](#)  [3101.0050](#)  [3101.0050.15](#)  [3101.0055.15](#)