

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



Socket without mounted Cap  
Caps must be ordered separately (see accessories)



Socket with Slotted Cap

250/500 VAC · 4 W / 16 A (VDE) · 600 V · 30 A (UL/CSA)

See below:

[Approvals and Compliances](#)

### Description

- Fuseholder for 600 VAC applications
- Fuseholder with high rated power acceptance
- Screw type fuse carrier

### Unique Selling Proposition

- Fuseholder for high performance applications
- High rated power acceptance

### Applications

- Equipment with three-phase supply (400 VAC)
- Applications with rated current up to 16 A (VDE)

### Weblinks

[pdf data sheet](#), [html datasheet](#), [General Product Information](#), [Packaging details](#), [Distributor-Stock-Check](#), [Accessories](#), [Detailed request for product](#), [Microsite](#)

### Technical Data

|                              |                                                                                                                                                           |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shock-Safe Category          | PC2                                                                                                                                                       |
| Fuse-Link                    | 5 x 20 or 6.3 x 32 mm                                                                                                                                     |
| Mounting                     | Panel mount, Front Side                                                                                                                                   |
| Attachment                   | Fixing Nut                                                                                                                                                |
| Terminal                     | Solder or Quick-Connect 6.3 x 0.8 mm                                                                                                                      |
| Rated Voltage                | 250/500 VAC (VDE), 600 V (UL/CSA)                                                                                                                         |
| Rated current                | 16 A (VDE), 30 A (UL/CSA)                                                                                                                                 |
| Rated Power Acceptance IEC   | 4 W / 16 A @ Ta 23 °C                                                                                                                                     |
|                              | Admissible power acceptance at higher ambient temperature see derating curves                                                                             |
| Degree of Protection         | IP 40 / IP 67                                                                                                                                             |
| Protection Class             | Suitable for appliances with protection class I or II 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             | Thermoset, black, UL 94V-0                                                                                                                                |
| Material: Terminals          | Tin-Plated Copper                                                                                                                                         |
| Unit Weight                  | 18 g                                                                                                                                                      |
| Storage Conditions           | 0 °C to 60 °C, max. 70% r.h.                                                                                                                              |
| Product Marking              |  Type, Rated Voltage, Power Rating, Rated current, Certification marks |

|                                 |                                                          |
|---------------------------------|----------------------------------------------------------|
| Soldering Methods               | Iron<br><a href="#">Soldering Profile</a>                |
| Solderability                   | 350 °C / 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                   |
| Contact Resistance              | ≤ 10 mΩ at 100 mA acc. to IEC 60127-6                    |
| Dielectric Strength             | > 3 kV between life parts (50 Hz: 1 min)                 |
| Impulse Withstand Voltage       | > 4 kV between life parts                                |
| Insulation Resistance           | ≥ 10 MΩ between life parts (500 VDC: 1 min)              |
| Overvoltage Category            | III acc. to IEC 60664-1                                  |
| Pollution Degree                | 2 (500 VAC), 3 (250 VAC) acc. to IEC 60664-1             |
| Resistance to Vibration         | acc. to IEC 60068-2-6, test Fc                           |
| Admissible Torque on Fixing Nut | max 1.2 Nm                                               |
| Panel Thickness                 | max 10 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: FUL

| Approval Logo                                                                       | Certificates                  | Certification Body | Description                      |
|-------------------------------------------------------------------------------------|-------------------------------|--------------------|----------------------------------|
|  | <a href="#">VDE Approvals</a> | VDE                | VDE Certificate Number: 40045336 |
|  | <a href="#">UL Approvals</a>  | UL                 | UL File Number: E39328           |

Product standards

Product standards that are referenced

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

Application standards

Application standards where the product can be used

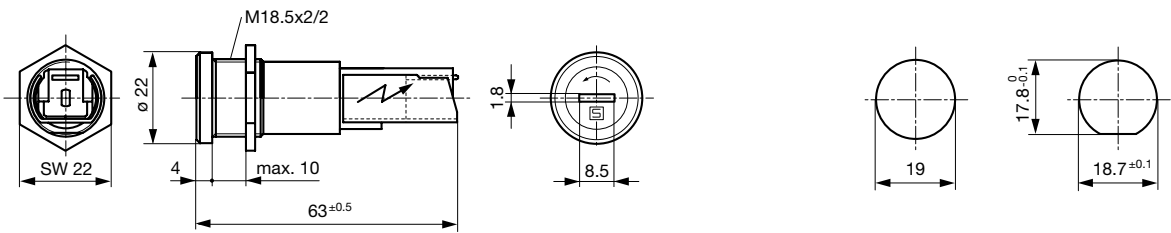
| Organization                                                                     | Design                         | Standard       | Description                                                                                                                                                                                                                  |
|----------------------------------------------------------------------------------|--------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Designed for applications acc. | IEC/UL 62368-1 | IEC 62368-1 includes the basic requirements for safety of audio, video, information technology and office equipment.                                                                                                         |
|  | Designed 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                                                                                                                                                                                           |
|------------------------------------------------------------------------------------|----------------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <a href="#">CE declaration of conformity</a> | 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. |
|    | <a href="#">RoHS</a>                         | SCHURTER AG | Directive RoHS 2011/65/EU, Amendment (EU) 2015/863                                                                                                                                                    |
|  | <a href="#">China RoHS</a>                   | 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.                                                                                  |
|  | <a href="#">REACH</a>                        | 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.                               |
|  | <a href="#">White Paper Glow wire test</a>   | 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.                               |

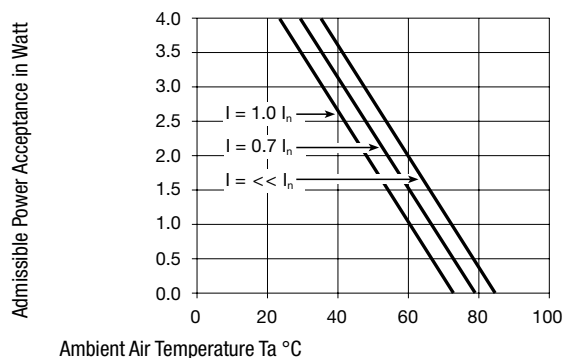
Dimension [mm]  63 mm



Variant 0031.2307 and 0031.2308

Mounting holes

## Derating Curves



## All Variants

| Holder | Cap | Fuse-Link            | Terminal          | Degree of Protection | Order Number |
|--------|-----|----------------------|-------------------|----------------------|--------------|
| ●      | -   | 5 x 20 or 6.3 x 32mm | Solder            | IP40                 | 0031.2307    |
| ●      | -   | 5 x 20 or 6.3 x 32mm | Quick-Connect 6.3 | IP40                 | 0031.2308    |
| ●      | -   | 5 x 20 or 6.3 x 32mm | Solder            | IP67                 | 0031.2303    |
| ●      | -   | 5 x 20 or 6.3 x 32mm | Quick-Connect 6.3 | IP67                 | 0031.2304    |

Most Popular.

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

**Packaging Unit** Bulk (25 pcs.)

## Required Accessory

### Description



Caps to FUL, FUP, FUA  
Caps to Holder FUL, FUP, FUA



Caps to FUL (IP 67)  
Caps to Holder FUL (IP 67)



## Accessories



Nut for fuse holder  
Mounting accessories for fuse holder



Cover FIZ, FUL  
Insulation Cover for FIZ, FUL, FUS

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