

Shock-Safe Fuseholder, 5 x 20 mm, Slotted Cap/Fingergrip, Rear-Side, IP 40 / IP 67, IEC 60335-1



FPG2  
slotted  
black



FPG2  
With Finger Grip  
black  
fingergrip

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

See below:

[Approvals and Compliances](#)

### Description

- Compact design
- Mounting from rear-side
- Degree of protection IP67 available


### Applications

- Household appliances
- Medical Equipment

### Weblinks

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

### Technical Data

Shock-Safe Category	PC2
Fuse-Link	5 x 20 mm
Mounting	Panel mount, Rear Side
Attachment	Fixing Nut
Terminal	Solder / Quick-Connect 4.8 x 0.5 mm
Rated Voltage	250 VAC (VDE), 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 / IP67
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 60068-1
Material: Socket	Thermoplastic, black, UL 94V-0
Material: Terminals	Copper alloy, tin-plated
Unit Weight	6.01 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	 Type, Rated Voltage, Rated current, Power Rating, Certification marks




Soldering Methods	Iron <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, Test Tb, method 2
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	III acc. to IEC 60664-1
Pollution Degree	3 acc. to IEC 60664-1
Resistance to Vibration	acc. to IEC 60068-2-6, test Fc, (Shock 10 g, 1.5 mm, 10-2000 Hz, 10 cyc.), (NF C 20-706)
Mechanical Shock	acc. to IEC 60068-2-27, (Shock 100 g, half-sine, 2 ms, each direction 3 times), (NF C 20-727)
Mechanical Shock (Bump)	acc. to IEC 60068-2-29, (Shock 40 g, half-sine, 2 ms, 1000 repetition), (NF C 20-729)
Salt Mist	acc. to IEC 60068-2-11, test Ka
Admissible Torque on Fixing Nut	max 1.2 Nm
Panel Thickness	max 8 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.

The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products.  
Approval Reference Type: FPG2

Approval Logo	Certificates	Certification Body	Description
	<a href="#">VDE Approvals</a>	VDE	VDE Certificate Number: 127216
	<a href="#">UL Approvals</a>	UL	UR File Number: E39328
	<a href="#">KTL Approvals</a>	KTL	Korea Testing Laboratory



## 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	Industrial Control Equipment
	Designed according to	CSA C22.2 no. 4248.1	Industrial Control Equipment







## Application standards

Application standards where the product can be used

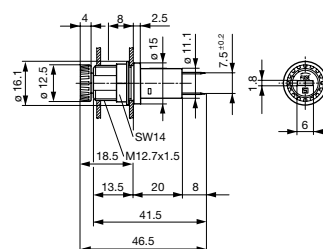
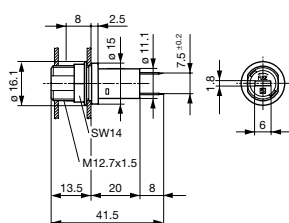
Organization	Design	Standard	Description
	Suitable for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements
	Suitable for applications acc.	IEC 60335-1	Safety of electrical appliances for household and similar purposes. Meets the 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

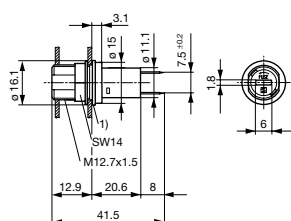
Identification	Details	Initiator	Description
	<a href="#">CE declaration of conformity</a>	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
	<a href="#">UKCA declaration of conformity</a>	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.
	<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]**  46.5 mm



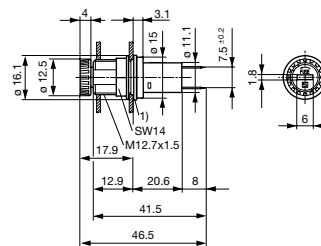
IP40 / Variants 3101.0020 and 3101.0220

IP40 / Variants Fingergrrip 3101.0025 and 3101.0225



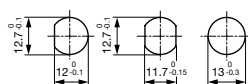
1) Seal

IP67 / Variants 3101.0120 and 3101.0320



1) Seal

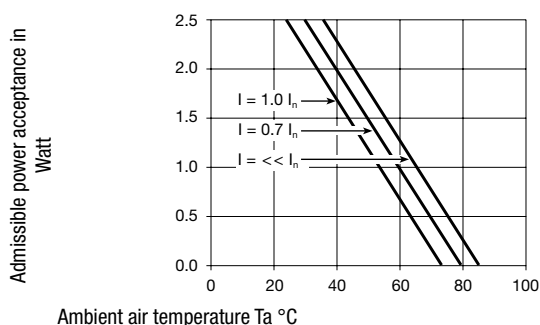
IP67 / Variants Fingergrasp 3101.0125 and 3101.0325



Mounting holes

## Derating Curves

acc. to IEC



## Variants

Holder	Cap	Terminal	Degree of Protection	Material	Remark	Order Number
●	slotted	Solder	IP40	Thermoplastic	-	3101.0020
●	slotted	Quick-Connect 4.8 x 0.5 mm	IP40	Thermoplastic	-	3101.0220
●	Fingergrasp	Solder	IP40	Thermoplastic	-	3101.0025
●	Fingergrasp	Quick-Connect 4.8 x 0.5 mm	IP40	Thermoplastic	-	3101.0225
●	slotted	Solder	IP67	Thermoplastic	-	3101.0120
●	slotted	Quick-Connect 4.8 x 0.5 mm	IP67	Thermoplastic	-	3101.0320
●	Fingergrasp	Solder	IP67	Thermoplastic	-	3101.0125
●	Fingergrasp	Quick-Connect 4.8 x 0.5 mm	IP67	Thermoplastic	-	3101.0325

Availability for all products can be searched real-time: <https://www.schurter.com/en/info-center/support-tools/stock-check-distributors>

## Packaging Unit

Bulk 186 x 91 x 110 mm (100 pcs.)

Accessories

Description



[Nut\\_for\\_fuse\\_holder](#)  
Mounting accessories for fuse holder

