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



Socket with Slotted Cap Caps must be ordered separately (see accessories)

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

See below:

**Approvals and Compliances** 

#### **Description**

- Quick-conntect or solder terminals

#### **Applications**

- Medical equipment

#### 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
Rated Voltage	250 VAC , 600 VAC/DC
Rated current	10A (VDE), 20A (UL/CSA)
Rated Power Acceptance IEC	4W / 10A @ Ta 23°C
	Admissible power acceptance at higher
	ambient temperature see derating cur-
	ves
Degree of Protection	IP 40
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	Thermoset, 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	<ul><li>Type, Rated Voltage, Rated current, Certification marks</li></ul>

Soldering Methods	Iron
	Soldering Profile
Solderability	350°C / 2 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	> 3kV
	> 4 kV between life parts
	(50 Hz: 1 min)
Impulse Withstand Voltage	> 4 kV between life parts
	> 6 kV between life parts
Insulation Resistance	$> 10  \text{M}\Omega$ between life parts
	$> 100  \text{M}\Omega$ between life parts
	(500 VDC: 1 min)
Overvoltage Category	I - III acc. to IEC 60664-1
Pollution Degree	1 - 3 acc. to IEC 60664-1
Admissible Torque on Fixing	max 1.2 Nm
Nut	
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

Approval Logo	Certificates	Certification Body	Description
_OVE	VDE Approvals	VDE	VDE Certificate Number: 40045912
c <b>FL</b> °us	UL Approvals	UL	UL File Number: E39328

# **Product standards**

Product standards that are referenced

Organization	Design	Standard	Description
<u>IEC</u>	Designed according to	IEC 60127-6	Miniature fuses. Part 6. Fuse-holders for miniature fuse-links
(UL)	Designed according to	UL 4248-1	Standard for Safety Fuseholders
CSA Group	Designed according to	CSA C22.2 no. 4248.1	Fuseholder general requirements

## **Application standards**

Application standards where the product can be used

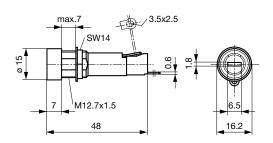
Organization	Design	Standard	Description
<u>IEC</u>	Designed for applications acc.	IEC/UL 60950	IEC 60950-1 includes the basic requirements for the safety of information technology equipment.
<u>IEC.</u>	Designed for applications acc.	IEC 60601-1	Medical electrical equipment - Part 1: General requirements for basic safety and essential performance
<u>IEC</u>	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.

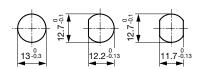
## Compliances

The product complies with following Guide Lines

The product complies with following duties				
Identification	Details	Initiator	Description	
C€	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.	
ROHS	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/836	
<b>©</b>	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.	
00	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.	
*	Medical Technology	SCHURTER AG	Suitable for use in medical equipment according to IEC/UL 60601-1	

# **Dimension [mm]** 46.5 mm

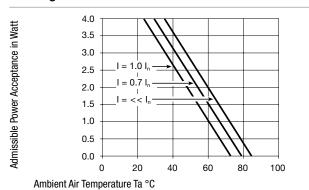




Variant 0031.1681 (medical)

Mounting holes

# **Derating Curves**



### **All Variants**

Holder	Cap	Fuse-Link	Degree of Pro- tection	Colour Cap	Remark	Order Number
•	-	5 x 20 or 6.3 x 32mm	IP40	-	-	0031.1681

Most Popular.

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

Packaging Unit Bulk (100 pcs.)

## **Required Accessory**

#### Description



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