

Shock-Safe Fuseholder, 5 x 20 mm, Slotted Cap, vertical, IP 40 / IP 54



straight
from front side
vertical with slot
Variant 1: Standard



Variant 2: Sealed for potting

250 VAC · 2 W/6.3 A (VDE) · 250 VAC/VDC · 12 A (UL/CSA)

See below:

Approvals and Compliances

Description

- Vertical style
- IP40 / IP54 from frontside

References

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 (VDE), 250 VAC/VDC (UL/CSA)
Rated current	6.3 A (VDE), 12 A (UL/CSA)
Rated Power Acceptance IEC	2 W / 6.3 A @ Ta 23 °C Admissible power acceptance at higher ambient temperature see derating curves
Degree of Protection	IP40
Degree of Protection	IP54
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: Cap	Thermoplastic, black, UL 94V-0
Material: Terminals	Copper alloy, tin-plated
Unit Weight	5.03 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	Wave Soldering Profile
Solderability	245 °C / 3 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 1
Contact Resistance	≤ 10 mΩ at 100 mA acc. to IEC 60127-6
Dielectric Strength	> 3 kV between live parts (50 Hz: 1 min)
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

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: FAF

Approval Logo	Certificates	Certification Body	Description
	VDE Approvals	VDE	VDE Certificate Number: 129370
	UL Approvals	UL	UL 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

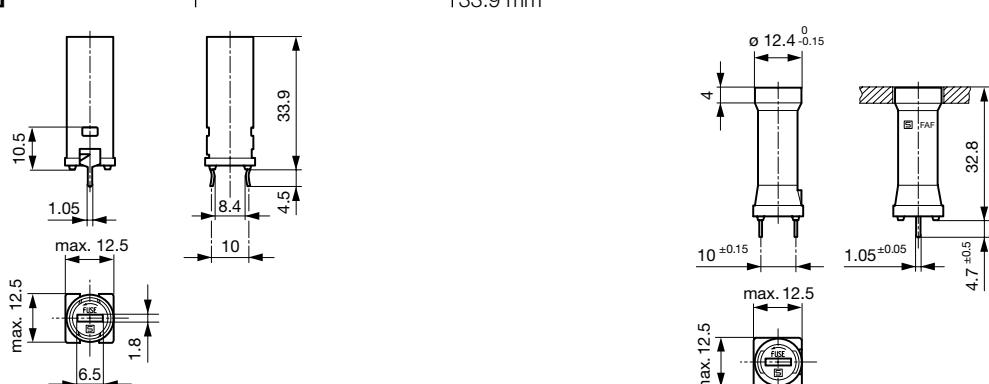
Application standards where the product can be used

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

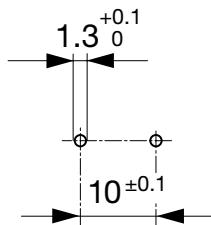
The product complies with following Guide Lines

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	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
 e	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.
 OO	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]

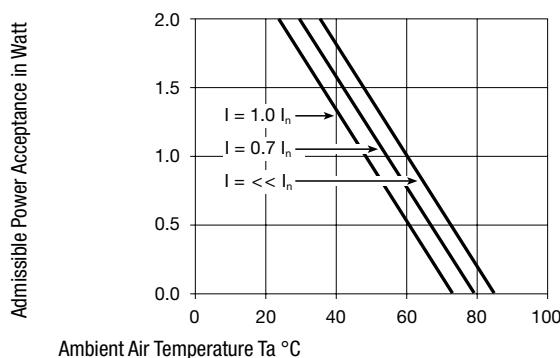
Variant 1: 0031.3701 and 0031.3703

Variant 2: 0031.3751 and 0031.3753



Drilling diagram

Derating Curves



All Variants

Holder	Cap	Terminal	Solder tight	Protection of cap	Order Number
●	slotted	straight	-	IP40	0031.3701
●	slotted	kinked	-	IP40	0031.3703
●	slotted	straight	X	IP40	0031.3751
●	slotted	straight	X	IP54	0031.3753

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

Packaging Unit Bulk (100 pcs.)