Shock-Safe Fuseholder, 5 x 20 / 6.3 x 32 mm, Slotted Cap, IEC: 500 VAC, UL/CSA: 600 VAC/DC

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

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

See below:
Approvals and Compliances

Description
- Fuseholder for 500 VAC applications
- 5x20: 3.2W / 6.3x32: 4W

Applications
- Equipment with three-phase supply (400 VAC)

References
Fuseholder to A12FA 250V; FSF 5x20; SPT 6.3x32

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 / 6.3 x 32 mm
Mounting	Panel mount, Front Side
Attachment	Fixing Nut
Terminal	Solder / Quick-Connect 6.3 x 0.8 mm
Rated Voltage	500 VAC (VDE), 600 VAC/DC (UL/CSA)
Rated current	10 A (VDE), 20 A (UL/CSA)
Rated Power Acceptance IEC	4 W / 10 A @ Ta 23 °C 3.2 W / 10 A for 5x20 mm fuse-link, see derating curves
Degree of Protection	IP40
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
Material: Terminals	Copper alloy, tin-plated
Unit Weight	7 g / 5 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	, Type, Certification marks

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	> 3 kV > 4 kV between live parts (50 Hz: 1 min)
Impulse Withstand Voltage	> 4 kV between live parts > 6 kV between live parts
Insulation Resistance	> 10 MΩ between live parts > 100 MΩ between live parts (500 VDC: 1 min)
Overvoltage Category	II acc. to IEC 60664-1
Pollution Degree	2 acc. to IEC 60664-1
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.

Approvals

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

Approval Reference Type: FEC

Approval Logo	Certificates	Certification Body	Description
VDE	VDE Approvals	VDE	VDE Certificate Number: 137910
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

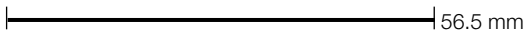
Organization	Design	Standard	Description
IEC	Suitable for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements
IEC	Suitable for applications acc.	IEC 60335-1	Safety of electrical appliances for household and similar purposes. Meets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

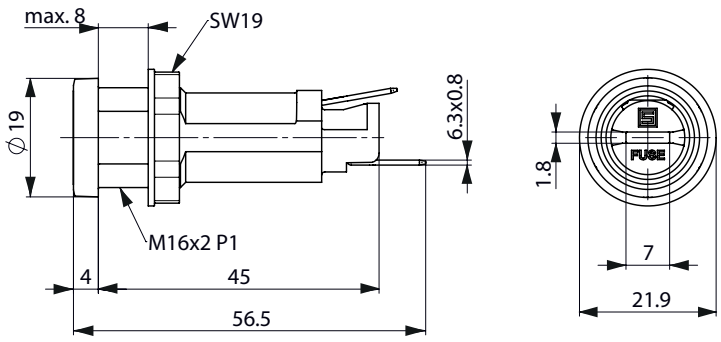
Compliances

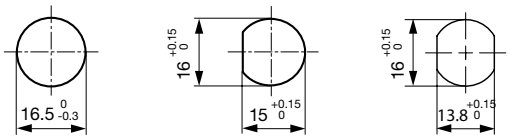
The product complies with following Guide Lines

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	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	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]



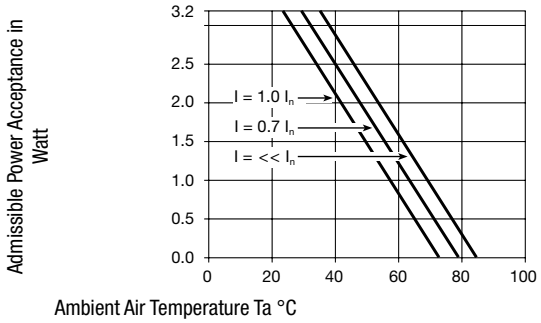




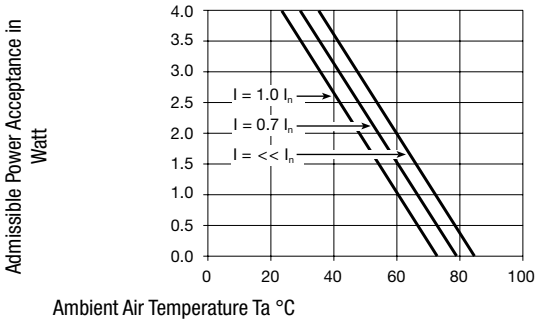
Mounting holes

Derating Curves

For fuse-links size 5 x 20 mm



For fuse-links size 6.3 x 32 mm



Variants

Holder	Cap	Fuse-Link	Terminal	Remark	Packaging unit [PCS]	Order Number
●	slotted	5 x 20mm	Quick-Connect 6.3 x 0.8	0031.1623 + 0031.1611	50	0031.1621
●	slotted	5 x 20mm	Solder	0031.1631 + 0031.1611	50	0031.1632
●	slotted	6.3 x 32mm	Quick-Connect 6.3 x 0.8	0031.1623 + 0031.1613	100	0031.1622
●	slotted	6.3 x 32mm	Solder	0031.1631 + 0031.1613	50	0031.1633
●	-	5 x 20 / 6.3 x 32mm	Quick-Connect 6.3 x 0.8	https://www.schurter.com/	50	0031.1623
●	-	5 x 20 / 6.3 x 32mm	Solder	https://www.schurter.com/	50	0031.1631

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

Required Accessory

	Description
	Caps_to_FEC Caps to Holder FEC

Accessories

Nut_for_fuse_holder
Mounting accessories for fuse holder

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability and test each product selected for their own applications.