

Fuseholder Open Design, 5 x 20 / 6.3 x 32 mm, SMD, VDE: 250/500 VAC, UL/CSA: 600 V, Cover, IEC 60355-1



250/500 VAC · 4 W / 10 A (VDE) · 600 V · 16 A (UL/CSA)

See below:

[Approvals and Compliances](#)

### Description

- Fuseholder for 500 VAC (according to IEC) or 600 V (according to UL / CSA) applications
- Suitable for use in devices according to IEC 60355-1 Ed. 4.0 for appliances in unattended use (clause 30.2.3). This includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-12 and -13. Order number: 0031.8242 or 0031.8242.F1
- Fuse block accepts 5x20 or 6.3x32 fuse-links

### Applications

- Equipment with three-phase supply (400 VAC)


### References

Phase-Out: 0031.8241.F1, 0031.8242.F1  
 Last order possibility: 30.09.2017  
 Last delivery date: 31.12.2017

### Weblinks

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

### Technical Data

Shock-Safe Category	PC1
Fuse-Link	5 x 20 or 6.3 x 32 mm
Mounting	PCB
Attachment	Screw or Rivet
Terminal	Solder SMT
Rated Voltage	250/500 VAC (VDE), 600 V (UL/CSA)
Rated current	10 A (VDE), 16 A (UL/CSA)
Rated Power Acceptance IEC	4 W / 10 A @ Ta 23 °C 2.5 W / 10 A with transparent cover
Degree of Protection	IP 20 (with cover)
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	Thermoplastic, black, UL 94V-0
Material: Cover	Thermoplastic black UL 94V-0
Material: Terminals	Tin-Plated Copper Alloy
Unit Weight	3.7 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	 Type, Rated Voltage, Power Acc./Current Rating, Approvals

Soldering Methods	Reflow (lead-free) <a href="#">Soldering Profile</a>
Solderability	245-260 °C / max. 30 sec acc. to JEDEC J-STD-020D
Contact Resistance	≤ 10 mΩ at 20 mV acc. to IEC 60127-6
Dielectric Strength	> 3 kV between life parts (50 Hz: 1 min)
Impulse Withstand Voltage	> 6 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	3 acc. to IEC 60664-1




### Approvals and Compliances

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [Details about Approvals](#)

### Approvals




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

Approval Reference Type: OGD-SMD

Approval Logo	Certificates	Certification Body	Description
	VDE Approvals	VDE	VDE Certificate Number: 40008993
	VDE Approvals	VDE	VDE Certificate Number: 40018378
	UL Approvals	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

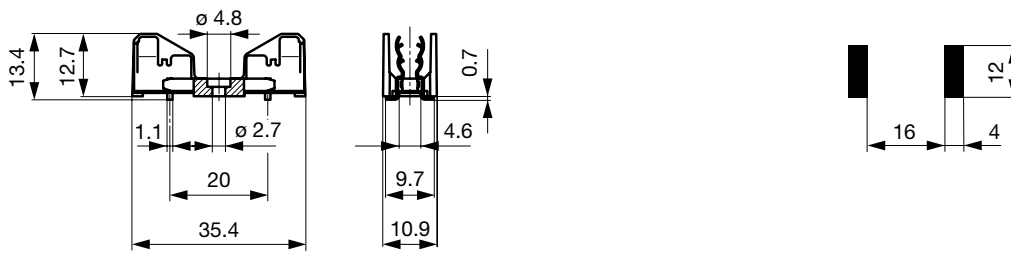
Organization	Design	Standard	Description
	Designed for applications acc.	IEC/UL 60950	IEC 60950-1 includes the basic requirements for the safety of information technology equipment.
	Designed for applications acc.	IEC 60335-1	Safety of electrical appliances for household and similar purposes. Meets the requirements for appliances in unattended use. This includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-12 and -13.

**Compliances**

The product complies with following Guide Lines

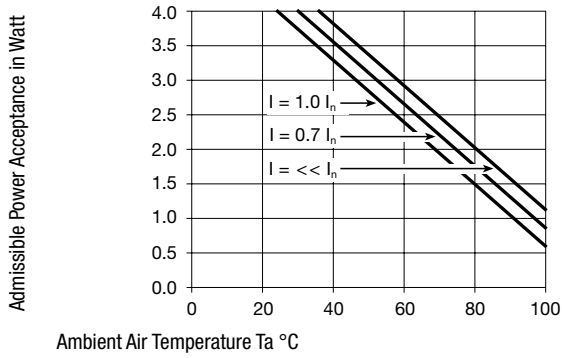
Identification	Details	Initiator	Description
	CE declaration of conformity	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
	RoHS	SCHURTER AG	EU Directive RoHS 2011/65/EU
	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	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 paperGlow 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 60695-2-12 and -13.

**Dimension [mm]**



Solder pads

### Derating Curves



### All Variants

Holder	Material	Reflow Condition	Remark	Order Number
●	Thermoplastic	acc. to JEDEC J-STD-020D, $T_p=245 \pm 0/-5$ °C, $t_p = \text{max. } 30$ s	-	0031.8241
●	Thermoplastic	acc. to JEDEC J-STD-020D, $T_p=245 \pm 0/-5$ °C, $t_p = \text{max. } 30$ s	-	0031.8241.F1
●	Spec. Thermoplastic 2	acc. to JEDEC J-STD-020D, $T_p=260 \pm 0/-5$ °C, $t_p = \text{max. } 30$ s	-	0031.8242
●	Spec. Thermoplastic 2	acc. to JEDEC J-STD-020D, $T_p=260 \pm 0/-5$ °C, $t_p = \text{max. } 30$ s	-	0031.8242.F1

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Spec. thermoplastic is suitable for use in devices according to IEC 60335-1 for appliances in unattended use (clause 30.2.3). This standard includes the enhanced requirements of glow wire tests acc. to IEC 60695-2-12 and -13.

Packaging Unit	xxxx.xxxx	Bulk 178 x 91 x 71 mm (100 pcs.)
	xxxx.xxxx.F1	Bar Packaging (20x50 pcs.)

### Accessories

#### Description



Cover for OGD, OGD-SMD

Cover for Holder OGD, OGD-SMD