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



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











Description

- Fuseholder for 500 VAC applications
- Meets the new requirements of IEC 60335-1 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 / 0031.8242.F1
- Fuse block accepts 5x20 or 6.3x32 fuse-links

Standards

- IEC 60127-6
- UL 4248-1 / UL 512
- CSA C22.2 no. 39

Approvals

- VDE Certificate Number: 40008993 (250V) + 40018378 (500V)

- UL File Number: E39328

Applications

- Equipment with three-phase supply (400 VAC)
- Industrial electronic

References

Packaging Details

Weblinks

pdf-datasheet, html-datasheet, General Product Information, Approvals, CE declaration of conformity, RoHS, CHINA-RoHS, e-Shop, SCHURTER-Stock-Check, Distributor-Stock-Check, Accessories, Detailed request for product

Technical Data Euco Link

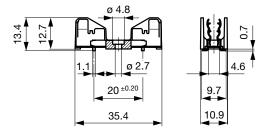
Mounting PCB Mounting Screw or Rivet Terminal Solder SMT Rated Voltage 500 VAC (VDE), 600 VAC/DC (UL/CSA) Rated current 10 A (VDE), 16 A (UL/CSA) Rated Power Acceptance IEC 4W / 10 A @ Ta 23 °C Admissible power acceptance at higher ambient temperature see derating curves Degree of Protection IP 00 / IP 20 Protection Class Suitable for appliances with protection class I or II acc. to IEC 61140 Admissible Ambient Air Temp40 °C to 85 °C Climatic Category 40/085/21 acc. to IEC 60068-1 Material: Socket Thermoplastic, black, UL 94V-0 Material: Terminals Tin-Plated Copper Alloy Unit Weight (Socket/Cap) 3.7 g Storage Conditions 0 °C to 60 °C, max. 70% r.h. Product Marking In the sold sold sold sold sold sold sold sold	Fuse-Link	5 x 20 or 6.3 x 32 mm
Terminal Solder SMT Rated Voltage 500 VAC (VDE), 600 VAC/DC (UL/CSA) Rated current 10 A (VDE), 16 A (UL/CSA) Rated Power Acceptance IEC 4W / 10 A @ Ta 23 °C Admissible power acceptance at higher ambient temperature see derating curves Degree of Protection IP 00 / IP 20 Protection Class Suitable for appliances with protection class I or II acc. to IEC 61140 Admissible Ambient Air Temp40 °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 (Socket/Cap) 3.7 g Storage Conditions 0 °C to 60 °C, max. 70% r.h. Product Marking II, Type, Dielectric strength, Power	Mounting	PCB
Rated Voltage 500 VAC (VDE), 600 VAC/DC (UL/CSA) Rated current 10 A (VDE), 16 A (UL/CSA) Rated Power Acceptance IEC 4W / 10 A @ Ta 23 °C Admissible power acceptance at higher ambient temperature see derating curves Degree of Protection IP 00 / IP 20 Protection Class Suitable for appliances with protection class I or II acc. to IEC 61140 Admissible Ambient Air Temp40 °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 (Socket/Cap) 3.7 g Storage Conditions 0 °C to 60 °C, max. 70% r.h. Product Marking III on Admissible Council (VDE), 600 VAC/DE, 60	Mounting	Screw or Rivet
Rated current 10 A (VDE), 16 A (UL/CSA) Rated Power Acceptance IEC 4 W / 10 A @ Ta 23 °C Admissible power acceptance at higher ambient temperature see derating curves Degree of Protection Protection Class Suitable for appliances with protection class I or II 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: Terminals Tin-Plated Copper Alloy Unit Weight (Socket/Cap) 3.7 g Storage Conditions © C to 60 °C, max. 70% r.h. Product Marking	Terminal	Solder SMT
Rated Power Acceptance IEC 4W / 10A @ Ta 23 °C Admissible power acceptance at higher ambient temperature see derating curves Degree of Protection IP 00 / IP 20 Protection Class Suitable for appliances with protection class I or II acc. to IEC 61140 Admissible Ambient Air Temp40 °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 (Socket/Cap) 3.7 g Storage Conditions 0 °C to 60 °C, max. 70% r.h. Product Marking II, Type, Dielectric strength, Power	Rated Voltage	500 VAC (VDE), 600 VAC/DC (UL/CSA)
Admissible power acceptance at higher ambient temperature see derating curves Degree of Protection IP 00 / IP 20 Protection Class Suitable for appliances with protection class I or II acc. to IEC 61140 Admissible Ambient Air Temp40 °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 (Socket/Cap) 3.7 g Storage Conditions 0 °C to 60 °C, max. 70% r.h. Product Marking III over temperature see derating curves	Rated current	10A (VDE), 16A (UL/CSA)
her ambient temperature see derating curves Degree of Protection IP 00 / IP 20 Protection Class Suitable for appliances with protection class I or II acc. to IEC 61140 Admissible Ambient Air Temp40 °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 (Socket/Cap) 3.7 g Storage Conditions 0 °C to 60 °C, max. 70% r.h. Product Marking III over temperature see derating curves.	Rated Power Acceptance IEC	4W / 10A @ Ta 23°C
Protection Class Suitable for appliances with protection class I or II acc. to IEC 61140 Admissible Ambient Air Temp40 °C to 85 °C Climatic Category 40/085/21 acc. to IEC 60068-1 Material: Socket Thermoplastic, black, UL 94V-0 Material: Cover Material: Terminals Tin-Plated Copper Alloy Unit Weight (Socket/Cap) Storage Conditions 0 °C to 60 °C, max. 70% r.h. Product Marking		her ambient temperature see derating
class I or II acc. to IEC 61140 Admissible Ambient Air Temp40 °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 (Socket/Cap) 3.7 g Storage Conditions 0 °C to 60 °C, max. 70% r.h. Product Marking	Degree of Protection	IP 00 / IP 20
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 (Socket/Cap) 3.7 g Storage Conditions 0°C to 60°C, max. 70% r.h. Product Marking	Protection Class	
Material: Socket Material: Cover Material: Cover Material: Terminals Unit Weight (Socket/Cap) Storage Conditions Tin-Plated Copper Alloy O°C to 60°C, max. 70% r.h. Product Marking Thermoplastic, black, UL 94V-0 Thermoplastic, black, UL 94V-0 Thermoplastic, black, UL 94V-0 Thermoplastic, black, UL 94V-0 Storage Copper Alloy Unit Weight (Socket/Cap) Storage Conditions O°C to 60°C, max. 70% r.h. Froduct Marking	Admissible Ambient Air Temp.	-40 °C to 85 °C
Material: Cover Thermoplastic black UL 94V-0 Material: Terminals Tin-Plated Copper Alloy Unit Weight (Socket/Cap) 3.7 g Storage Conditions 0°C to 60°C, max. 70% r.h. Product Marking	Climatic Category	40/085/21 acc. to IEC 60068-1
Material: TerminalsTin-Plated Copper AlloyUnit Weight (Socket/Cap)3.7 gStorage Conditions0 °C to 60 °C, max. 70% r.h.Product Marking\$\begin{align*}	Material: Socket	Thermoplastic, black, UL 94V-0
Unit Weight (Socket/Cap) Storage Conditions O°C to 60°C, max. 70% r.h. Product Marking In Type, Dielectric strength, Power	Material: Cover	Thermoplastic black UL 94V-0
Storage Conditions 0 °C to 60 °C, max. 70% r.h. Product Marking In Type, Dielectric strength, Power	Material: Terminals	Tin-Plated Copper Alloy
Product Marking	Unit Weight (Socket/Cap)	3.7 g
<u> </u>	Storage Conditions	0°C to 60°C, max. 70% r.h.
	Product Marking	<u> </u>

5 x 20 or 6 2 x 22 mm

Soldering Methods	Reflow (see variants)	
Solderability	245°C / 2 sec acc. to IEC 60068-2-58,	
	Test Td	
Resistance to Soldering Heat	260°C / 10 sec acc. to IPC/JEDEC J-	
	STD-020D	
Contact Resistance	$<5\text{m}\Omega$ at 20 mV	
Dielectric Strength	> 3kV	
	(50 Hz; 1 min)	
Impulse Withstand Voltage	> 4 kV between L-N	
Insulation Resistance	$> 10 \text{M}\Omega$ between L-N	
	(500 VDC; 1 min)	
Overvoltage Category	I - III acc. to IEC 60664-1	
Pollution Degree	2 acc. to IEC 60664-1	
Resistance to Vibration	acc. to IEC 60068-2-6, test Fc	

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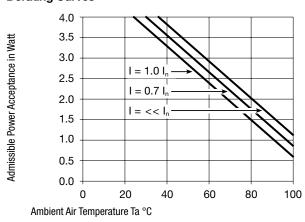
Dimensions 35.4 mm





Solder pads

Derating Curves



Variants

variants	1			
Holder	Material	Reflow Condition	Remark	Order Number
•	Thermoplastic	acc. to JEDEC J-STD-020C, Tp=240 +0/-5 °C, tp = 20-40 s	-	0031.8241
•	Spec. Thermoplastic 2	acc. to JEDEC J-STD-020C, Tp=260 +0/-5 $^{\circ}$ C, tp = 20-40 s	Approvals pending	0031.8242

Spec. thermoplastic meets the new requirements of 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.F1 Bar Packaging (20x50 pcs.)

Accessories

Description



Cover for OGD, OGD-SMD Cover for Holder OGD, OGD-SMD