



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Surface Mount Fuse with Clip, 4.2 x 11.3 mm, Quick-Acting F, UMK 250 = UMF 250 (Au) + UMC 250

new



IEC 60127-4 · 250VAC · 125VDC · Quick-Acting F



Description

- VDE/UL Approvals, UMF 250, UMF 250 (Au), UMC 250 , see variants
- High breaking capacity of up to 200 A @ 250 VAC
- UL approval for 0.05 A - 4 A @ 250 VAC and 125 VDC

Standards

- IEC 60127-4/2, IEC 60127-6
- UL 248-14 / 4248-1
- CSA C22.2 no. 248.14 / no. 4248.1

Approvals

- VDE Certificate Number: 40027880 / 40023291
- UL File Number: E41599

Applications

- Primary protection on SMD PCBs

References

[Packaging Details](#)
Fuse Kit [Fuse Kit UMF 250 / UMK 250](#)

Weblinks

[pdf datasheet](#), [html-datasheet](#), [General Product Information](#), [Packaging details](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

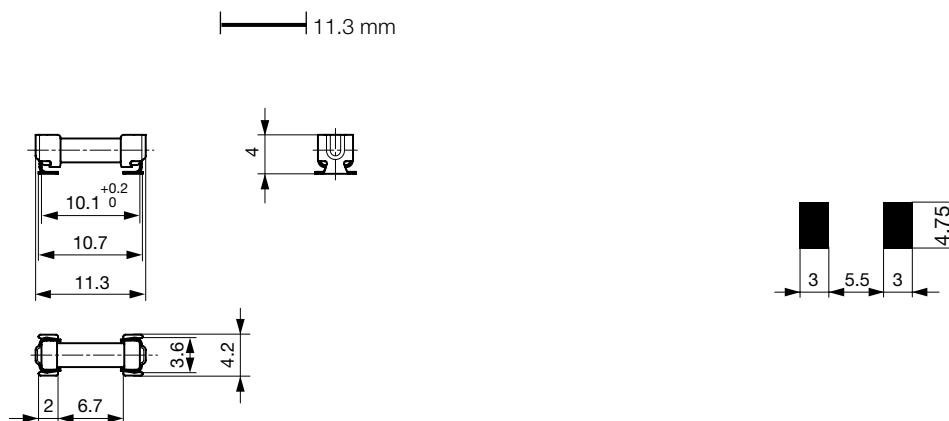
Technical Data

Rated Voltage	250VAC, 125VDC
Rated current	0.5 - 4A
Breaking Capacity	100-200A
Characteristic	Quick-Acting F
Mounting	PCB,SMT
Admissible Ambient Air Temp.	-40 °C to 85 °C
Climatic Category	40/085/21 acc. to IEC 60068-1
Material: Housing	Ceramic
Material: Terminals	Gold-Plated Copper Alloy
Storage Conditions	0 °C to 40 °C, max. 70% r.h.
Product Marking	, Rated current, Rated Voltage, Characteristic, Breaking Capacity

Soldering Methods	Reflow Soldering Profile
Solderability	245 °C / 3sec acc. to IEC 60068-2-58
Resistance to Soldering Heat	260 °C / 10sec acc. to IEC 60068-2-58
Life Test	(acc. to EIA/IS-722, Test 4.4.1) 1000h @ 0.60 x In @ 70°C
Moisture Resistance Test	(acc. to EIA/IS-722, Test 4.4.3) 10% rated current. Temperatur change between 25°C und 65°C at 100% relative humidity. Duration: 24h each cycle, total 10 cycles
Terminal Strength	(acc. to EIA/IS-722, Test 4.5.5) (Deflection of board 1 mm for 1 minute)
Mechanical Shock	MIL-STD-202, Method 213B (Shock 50g, half sine wave, 11 ms)
Resistance to Solvents	Cleaning with common solvents
Flammability	min. UL 94V-1 (acc. to EIA/IS-722, Test 4.12)

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

Dimension



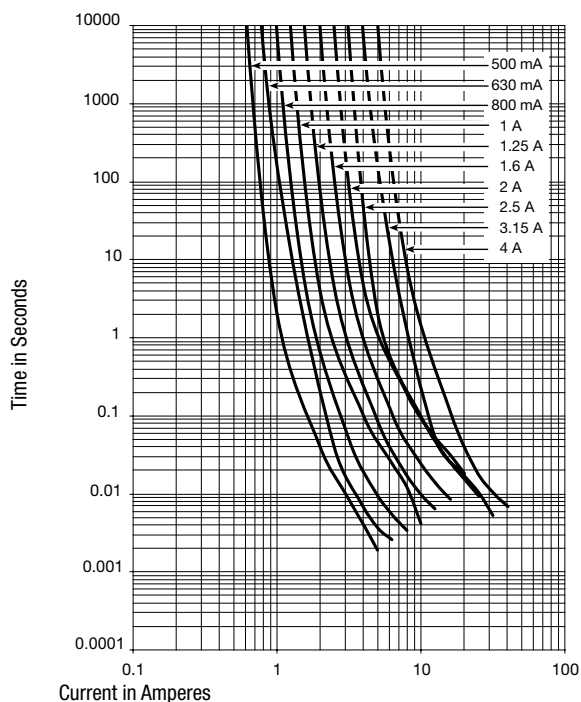
Soldering pads

Pre-Arcing Time

Rated Current I_n 1.0 x I_n min. 1.25 x I_n min. 2.0 x I_n max. 10.0 x I_n min. 10.0 x I_n max.

0.5 A - 4.0 A	-	60 min	120 s	1 ms	10 ms
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Time-Current-Curves




All Variants

Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Breaking Capacity	Voltage Drop 1.0 I_n max. [mV]	Voltage Drop 1.0 I_n typ. [mV]	Power Dissipation 1.25 I_n max [mW]	Melting I^2t 10.0 I_n typ. [A ² s]		Order Number
0.5	250	125	1)	430	600	500	0.27	● ●	3404.2463.11
0.5	250	125	1)	430	600	500	0.27	● ●	3404.2463.22
0.63	250	125	1)	350	500	500	0.9	● ●	3404.2464.11
0.63	250	125	1)	350	500	500	0.9	● ●	3404.2464.22
0.8	250	125	1)	300	400	500	0.21	● ●	3404.2465.11
0.8	250	125	1)	300	400	500	0.21	● ●	3404.2465.22
1	250	125	1)	250	300	500	0.4	● ●	3404.2466.11
1	250	125	1)	250	300	500	0.4	● ●	3404.2466.22
1.25	250	125	2)	220	300	1000	1	● ●	3404.2467.11
1.25	250	125	2)	220	300	1000	1	● ●	3404.2467.22
1.6	250	125	2)	190	300	1000	2.1	● ●	3404.2468.11
1.6	250	125	2)	190	300	1000	2.1	● ●	3404.2468.22
2	250	125	2)	200	300	1000	3.26	● ●	3404.2469.11
2	250	125	2)	200	300	1000	3.26	● ●	3404.2469.22
2.5	250	125	2)	160	300	1200	4.8	● ●	3404.2470.11
2.5	250	125	2)	160	300	1200	4.8	● ●	3404.2470.22
3.15	250	125	2)	100	300	1500	5.17	● ●	3404.2471.11
3.15	250	125	2)	100	300	1500	5.17	● ●	3404.2471.22
4	250	125	2)	100	300	2000	9.4	● ●	3404.2472.11
4	250	125	2)	100	300	2000	9.4	● ●	3404.2472.22

Most Popular.

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

Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Breaking Capacity	Voltage Drop 1.0 In max. [mV]	Voltage Drop 1.0 In typ. [mV]	Power Dissipation 1.25 In max [mW]	Melting I ² t 10.0 Intyp. [A ² s]		Order Number
<p>1) IEC: 100 A @ 250 VAC, p.f. ≥ 0.95 / 100 A @ 125 VDC 1) UL: 200 A @ 250 VAC / 100 A @ 125 VDC / 35 A @ 250 VDC / 200 A @ 63 VAC/DC 2) IEC / UL: 200 A @ 250 VAC / 100 A @ 125 VDC / 35 A @ 250 VDC / 200 A @ 63 VAC/DC</p> <p>Approval Overview</p> <p>UMF 250 -> Fuse with tin-plated caps, Approval Status: VDE, UL LISTED, cURus, Free of CCC, PSE JET, KTL UMF 250 (Au) -> Fuse with gold-plated caps, Approval Status: VDE Mark and cURus UMC 250 -> Clip, Approval Status: VDE UG Mark and cURus UMK 250 = UMF 250 (Au) + UMC 250</p> <p>There is no approval existing for the combination fuse and clip UMK 250, but the fuse and the clip are fully approved independently at VDE/UL. See details above.</p> <p>In the reflow soldering process, the fuse must have gold-plated caps, otherwise fuse and clip would be soldered together. For fuse replacement in the field, a standard UMF 250 fuse with tin-plated caps can be used.</p> <p>It is not allowed to replace higher rated current than 4 A in the clip.</p>									
Packaging Unit									
.xx = .11 Plastic Bag (100 pcs.)									
.xx = .22 Blister Tape 33 cm Reel (1000 pcs.)									