

## MGA



## UL 248-14 · 125 VAC/DC · Super-Quick-Acting FF

**Description**

- ESA approved fuses on request (ESA/SCC GS No. 4008)
- Directly solderable on printed circuit boards

**Standards**

- UL 248-14
- CSA C22.2 no. 248.14

**Approvals**

- UL File Number: E41599

**References**

[General Product Information](#)

Time-Current Curves see last page

[Packaging Details](#)

**Weblinks**

Approvals: <http://www.schurter.com/approvals>

RoHS: <http://www.schurter.com/rohs>

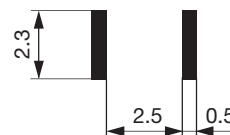
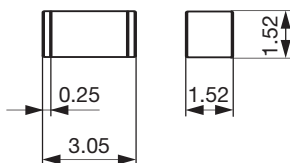
**Technical Data**

Rated Voltage	32 - 125 VAC/DC
Rated Current	0.2 - 5 A
Breaking Capacity	50 A
Characteristic	Super-Quick-Acting FF
Mounting	PCB,SMT
Admissible Ambient Air Temp.	-50 °C to 150 °C
Climatic Category	50/150/21 acc. to IEC 60068-1
Material: Housing	Ceramic
Material: Terminals	Tin-Plated Nickel
Unit Weight	0.03 g
Stock Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	none

Soldering Methods	Reflow, Wave
Solderability	245 °C / 3 sec acc. to IEC 60068-2-58, Test Td
Resistance to Soldering Heat	260 °C / 10 sec acc. to IEC 60068-2-58, Test Td
Life Test	MIL-STD-202, Method 108A (1000h @ 0.42*In @ 70°C)
Load Humidity Test	MIL-STD-202, Method 103B (1000h @ 0.1*In @ 0.85 r.H. @ 85°C)
Moisture Resistance Test	MIL-STD-202, Method 106E (50 cycles in a temp./mister chamber)
Terminal Strength	MIL-STD-202, Method 211A (Deflection of board 1 mm for 1 minute)
Thermal Shock	MIL-STD-202, Method 107D (200 air-to-air cycles from -55 to +125°C)
Resistance to Solvents	MIL-STD-202, Method 215A
Flammability	min. UL 94V-1 (acc. to EIA/IS-722, Test 4.12)

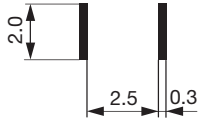
**Dimensions**

Length  3.2 mm



Solder pads wave soldering

## MGA




Solder pads reflow soldering

## Pre-Arcing Time

Rated Current In	1.0 x In min.	2.5 x In max.
0.2 A - 5 A	4 h	5 s

## Variants

Order Number	Rated Current [A]	Rated Voltage [V]	Breaking Capacity	Voltage Drop 1.0 In typ [mV]	Power Dissipation 1.0 In typ [mW]	Cold Resistance typ [mΩ]	Melting I <sup>2</sup> t 4.0 In typ [A <sup>2</sup> s]		
3410.0021.xx	0.2	125	1)	202	40	870	0.0013	●	●
3410.0022.xx	0.25	125	1)	176	44	663	0.0034	●	●
3410.0025.xx	0.375	125	1)	140	52	320	0.0037	●	●
3410.0027.xx	0.5	125	1)	126	68	210	0.0067	●	●
3410.0029.xx	0.75	125	1)	118	88	113	0.015	●	●
3410.0031.xx	1	125	1)	114	114	96	0.043	●	●
3410.0033.xx	1.5	125	1)	123	185	56	0.12	●	●
3410.0035.xx	2	125	1)	117	234	39	0.2	●	●
3410.0036.xx	2.5	125	1)	115	288	29	0.54	●	●
3410.0037.xx	3	125	1)	112	336	23	0.34	●	●
3410.0240.xx	4	63	2)	110	440	17	0.76	●	●
3410.0141.xx	5	32	3)	90	450	12	1.04	●	●

1) 50 A @ 125 VAC/DC

2) 50 A @ 63 VAC/DC

3) 50 A @ 32 VAC/DC

## Packaging Unit

- .01 Blister Tape (100 pcs.)
- .02 Blister Tape 18 cm Reel (750 pcs.)
- .03 Blister Tape 18 cm Reel (3000 pcs.)
- .04 Blister Tape 33 cm Reel (10000 pcs.)

MGA

