USI 1206

Surface Mount Fuse, 3.2 x 1.6 mm, Quick-Acting F, 32 VAC, 63 VDC

Exemplary part photo depending on part no.

IEC 60127-4 · 32 VAC · 63 VDC · Quick-Acting F

Description
- IEC characteristic
- High melting I²t-values
- Impermeable to potting compound

Standards
- IEC 60127-4/2
- UL 248-14
- CSA C22.2 no. 248.14

Approvals
- VDE Certificate Number: 40017666
- UL File Number: E41599

Applications
- Secondary Protection DC and AC
- Circuits with inrush

References
Packaging Details

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

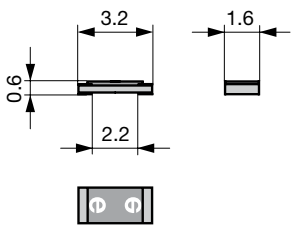
Rated Voltage	32 VAC, 63 VDC
Rated current	0.5 - 6.3 A
Breaking Capacity	63 A
Characteristic	Quick-Acting F
Mounting	PCB,SMT
Admissible Ambient Air Temp.	-55 °C to 90 °C
Climatic Category	55/090/21 acc. to IEC 60068-1
Material: Housing	Epoxyd Glass
Material: Terminals	Copper, Ni/Au-plated
Unit Weight	0.006 g
Storage Conditions	0 °C to 60 °C, max. 70% r.h.
Product Marking	Letter (see variants)

Soldering Methods	Reflow, Wave (0.5 A variant only) Soldering Profile
Solderability	250 °C / 3 sec acc. to IEC 60068-2-58, Test Td
Resistance to Soldering Heat	260 +0/-5 °C / 30 sec acc. to IPC/JEDEC J-STD-020D, Level 1
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)
Case Resistance	acc. to EIA/IS-722, Test 4.7 >100 MΩ (between leeds and body)
Resistance to Solvents	MIL-STD-202, Method 215A
Flammability	UL 94V-1 (acc. to EIA/IS-722, Test 4.12)

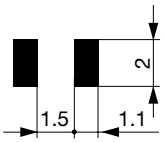
Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in General Product Information

Dimension

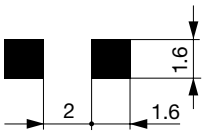
3.2 mm



Reflow soldering pads



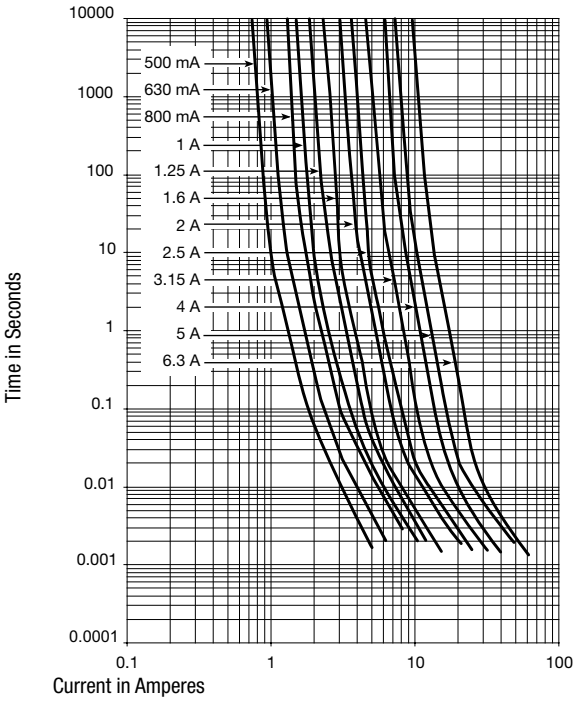
Wave soldering pads



Pre-Arcing Time

Rated Current In	1.25 x In min	2.0 x In max	10.0 x In min	10.0 x In max
0.5 A - 6.3 A	60 min	120 s	1 ms	10 ms

Time-Current-Curves



All Variants

Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Marking	Breaking Capacity	Voltage Drop 1.0 In max. [mV]	Voltage Drop 1.0 In typ. [mV]	Cold Resistance typ. [mΩ]	Melting I²t 10.0 Intyp. [A²s]			Order Number
0.5	32	63	e	1)	600	201	330	0.041	●	●	3413.0213.11
0.5	32	63	e	1)	600	201	330	0.041	●	●	3413.0213.22
0.5	32	63	e	1)	600	201	330	0.041	●	●	3413.0213.24
0.5	32	63	e	1)	600	201	330	0.041	●	●	3413.0213.26
0.63	32	63	f	1)	500	170	230	0.076	●	●	3413.0214.11
0.63	32	63	f	1)	500	170	230	0.076	●	●	3413.0214.22
0.63	32	63	f	1)	500	170	230	0.076	●	●	3413.0214.24

Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Marking	Breaking Capacity	Voltage Drop 1.0 In max. [mV]	Voltage Drop 1.0 In typ. [mV]	Cold Resistance typ. [mΩ]	Melting I²t 10.0 Intyp. [A²s]	VDE	cULus	Order Number
0.63	32	63	f	1)	500	170	230	0.076	●	●	3413.0214.26
0.8	32	63	g	1)	400	110	116	0.18	●	●	3413.0215.11
0.8	32	63	g	1)	400	110	116	0.18	●	●	3413.0215.22
0.8	32	63	g	1)	400	110	116	0.18	●	●	3413.0215.24
0.8	32	63	g	1)	400	110	116	0.18	●	●	3413.0215.26
1	32	63	h	1)	300	108	94.2	0.2	●	●	3413.0216.11
1	32	63	h	1)	300	108	94.2	0.2	●	●	3413.0216.22
1	32	63	h	1)	300	108	94.2	0.2	●	●	3413.0216.24
1	32	63	h	1)	300	108	94.2	0.2	●	●	3413.0216.26
1.25	32	63	i	1)	300	96.3	67	0.31	●	●	3413.0217.11
1.25	32	63	i	1)	300	96.3	67	0.31	●	●	3413.0217.22
1.25	32	63	i	1)	300	96.3	67	0.31	●	●	3413.0217.24
1.25	32	63	i	1)	300	96.3	67	0.31	●	●	3413.0217.26
1.6	32	63	k	1)	300	94.5	50.5	0.33	●	●	3413.0218.11
1.6	32	63	k	1)	300	94.5	50.5	0.33	●	●	3413.0218.22
1.6	32	63	k	1)	300	94.5	50.5	0.33	●	●	3413.0218.24
1.6	32	63	k	1)	300	94.5	50.5	0.33	●	●	3413.0218.26
2	32	63	m	1)	300	80.2	33.9	0.79	●	●	3413.0219.11
2	32	63	m	1)	300	80.2	33.9	0.79	●	●	3413.0219.22
2	32	63	m	1)	300	80.2	33.9	0.79	●	●	3413.0219.24
2	32	63	m	1)	300	80.2	33.9	0.79	●	●	3413.0219.26
2.5	32	63	n	1)	300	78.8	25.3	0.94	●	●	3413.0220.11
2.5	32	63	n	1)	300	78.8	25.3	0.94	●	●	3413.0220.22
2.5	32	63	n	1)	300	78.8	25.3	0.94	●	●	3413.0220.24
2.5	32	63	n	1)	300	78.8	25.3	0.94	●	●	3413.0220.26
3.15	32	63	p	1)	300	65.5	17.2	1.44	●	●	3413.0221.11
3.15	32	63	p	1)	300	65.5	17.2	1.44	●	●	3413.0221.22
3.15	32	63	p	1)	300	65.5	17.2	1.44	●	●	3413.0221.24
3.15	32	63	p	1)	300	65.5	17.2	1.44	●	●	3413.0221.26
4	32	63	r	1)	300	62.8	12.5	2.74	●	●	3413.0222.11
4	32	63	r	1)	300	62.8	12.5	2.74	●	●	3413.0222.22
4	32	63	r	1)	300	62.8	12.5	2.74	●	●	3413.0222.24
4	32	63	r	1)	300	62.8	12.5	2.74	●	●	3413.0222.26
5	32	63	s	1)	300	61.6	9.6	4.65	●	●	3413.0223.11
5	32	63	s	1)	300	61.6	9.6	4.65	●	●	3413.0223.22
5	32	63	s	1)	300	61.6	9.6	4.65	●	●	3413.0223.24
5	32	63	s	1)	300	61.6	9.6	4.65	●	●	3413.0223.26
6.3	32	63	t	1)	300	55.3	7.1	4.84	●	●	3413.0224.11
6.3	32	63	t	1)	300	55.3	7.1	4.84	●	●	3413.0224.22
6.3	32	63	t	1)	300	55.3	7.1	4.84	●	●	3413.0224.24
6.3	32	63	t	1)	300	55.3	7.1	4.84	●	●	3413.0224.26

Most Popular.

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

1) UL: 63 A @ 32 VAC, 63 A @ 63 VDC

1) Additional internal testing: 150 A @ 24 VAC/DC, 400 A @ 12 VDC, 600 A @ 9 VDC

Packaging Unit

.xx = .11 Blister Tape of 100 pcs. in Plastic Bag
.xx = .22 Blister Tape 18 cm Reel (1000 pcs.)
.xx = .24 Blister Tape 25.4 cm Reel (5000 pcs.)
.xx = .26 Blister Tape 33 cm Reel (15000 pcs.)

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