

Surface Mount Fuse for Space Application, ESCC QPL Listed

new



125 VAC · 125 VDC · Super-Quick-Acting FF

Description

- ESCC QPL Listed, see www.escies.org
- Full data sheet available on request

Standards

- ESCC Generic Specification no. 4008
- ESCC Detail Specification no. 4008/001

Applications

- Protection of Payloads

Weblinks

pdf, html, General Product Information, Approvals, RoHS, CHINA-RoHS, e-Shop, SCHURTER-Stock-Check, Distributor-Stock-Check

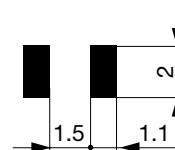
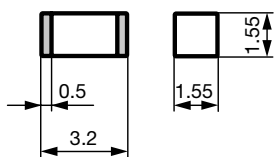
Technical Data

Rated Voltage	32 - 125 VAC, 125 VDC
Rated Current	0.14 - 3.5 A
Breaking Capacity	50 A - 300 A
Characteristic	Super-Quick-Acting FF
Mounting	PCB, SMT
Admissible Ambient Air Temp.	-55 °C to 150 °C
Climatic Category	55/150/21 acc. to IEC 60068-1
Material: Housing	Ceramic
Material: Terminals	Tin-Plated Copper Alloy (with lead)
Unit Weight	0.035 g
Storage 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 +0/-5 °C / 30 sec acc. to IPC/JEDEC J-STD-020D, Level 1

Dimensions

3.2 mm



Soldering pads

Pre-Arcing Time

Rated Current In 1.43 x In min. 3.58 x In min. 3.58 x In max. 5.71 x In min. 5.71 x In max. 8.57 x In min. 8.57 x In max.

0.14 A - 3.5 A	4 h	2 ms	5 s	500 us	10 ms	50 us	2 ms
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Variants

Rated Current [A]	Rated Voltage [VAC]	Rated Voltage [VDC]	Breaking Capacity	Voltage Drop 1.0 In typ. [mV]	Cold Resistance typ. [mΩ]	Melting I ² t 4.0 In typ. [A ² s]	ESCC Component Number	Order Number
0.14	125	125	1)	258	1020	0.0008	400800101	3410.0310
0.175	125	125	1)	250	800	0.0009	400800102	3410.0311
0.262	125	125	1)	165	361	0.0037	400800103	3410.0312
0.35	125	125	1)	150	247	0.0042	400800104	3410.0313
0.525	125	125	1)	100	115	0.01	400800105	3410.0314
0.7	125	125	1)	124	98.7	0.035	400800106	3410.0315
1.05	125	125	1)	105	56	0.064	400800107	3410.0316
1.4	125	125	1)	98	39	0.089	400800108	3410.0317
1.75	125	125	1)	90	29.5	0.15	400800109	3410.0318
2.1	125	125	1)	88	24.1	0.18	400800110	3410.0319
2.8	63	125	2)	83.5	17	0.23	400800111	3410.0320
3.5	32	125	3)	90	13.5	0.45	400800112	3410.0321

1) 50 A @ 125 VAC / 300 A @ 125 VDC

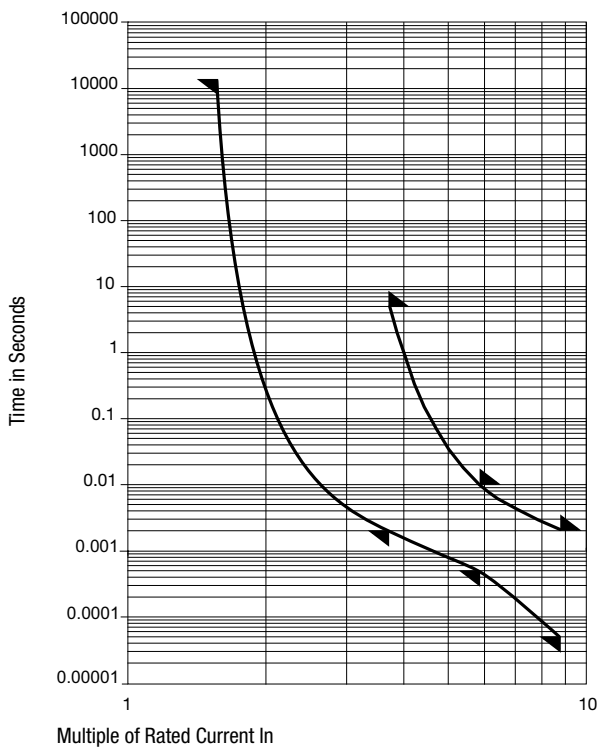
2) 50 A @ 63 VAC / 50 A @ 125 VDC / 300 A @ 32 VDC

3) 50 A @ 32 VAC / 50 A @ 125 VDC / 300 A @ 32 VDC

Packaging Unit

Blister Tape on 18 cm Reel in ESD Plastic Bag

Time-Current-Curves



ESCC GENERIC SPECIFICATION N° 4008

PRODUCTION

Order Entry

Production with Product and Quality Tests

CHART F2 - PRODUCTION CONTROL

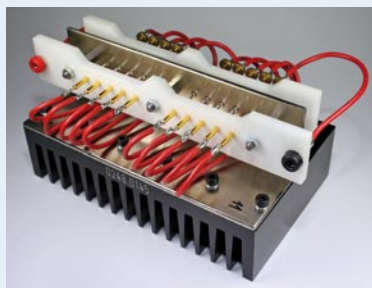
External Visual Inspection according to Paragraph 5.2.1

Dimension Check according to Paragraph 5.2.2

Cold Resistance Initial Measurement according to Paragraph 5.2.1

Current Carrying Capacity and Overload Operation Test according to Paragraph 5.2.4/5.2.5

CHART F3 - SCREENING TESTS



Test Equipment for Burn-In

Voltage drop Initial Measurement according to Paragraph 8.1.1.2

Burn-In (168h) according to Paragraph 8.3

Voltage drop Final Measurement according to Paragraph 8.1.1.2

Cold Resistance Final Measurement according to Paragraph 8.1.1.1

External Visual Inspection according to Paragraph 8.2

Solderability according to Paragraph 8.4

Current Carrying Capacity and Overload Operation according to Paragraph 8.5/8.6

Check for Lot Failure according to Paragraph 6.4

Delivery with COC
Flight Model, see ESCC QPL
 Approved according to ESCC Generic Specification no. 4008 + ESCC Detail Specification no. 4008/001