

MINIATURE FUSES



SIBA Miniature Fuses

Sizes:

- Cylindrical fuses: 5 x 20 · 6.3 x 32 · 5 x 25
5 x 30 · 8 x 50 · 8 x 85
10 x 85 · 8 x 120 · 8 x 150 mm

- Radial lead

2 pin fuses: KS, Ø 8.4 mm

- SMD fuses:

Voltage ratings: 65 V - 10 kV

Operation class: **F** fast acting
T time lag
M medium time lag
FF very fast acting

Standards: IEC 60127
DIN VDE 0820
CEE4
UL 248-14
UL 512
CSA-C22.2 No. 248.14

Approvals:



SEV, BEAB

Features / Benefits

- ▶ Very high interrupting rating up to 70 kA
- ▶ High rated voltages up to 10 kV
- ▶ High fuse ratings available for semiconductor protection
- ▶ Fuse bases, clips and accessories are available



MINIATURE FUSES

CERAMIC TUBE

FF

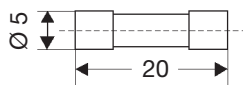
Size
5 x 20 mm

Rated voltage
250 V

very fast acting

Standard
not standardized

Rated current	Part No.	Voltage drop mV	Pre-arcing I ² ts-value A ² s	Rated breaking capacity	Power dissipation W	cURus	Weight (kg/100)	Pack
100 mA	70 001 40	4000	0.0016	300 kA	0.4	✓	0.14	100
125 mA	70 001 40	3500	0.0024	300 kA	0.5	✓	0.14	100
160 mA	70 001 40	1300	0.004	300 kA	0.3	✓	0.14	100
200 mA	70 001 40	1100	0.008	300 kA	0.3	✓	0.14	100
250 mA	70 001 40	1000	0.019	300 kA	0.3	✓	0.14	100
315 mA	70 001 40	900	0.03	300 kA	0.3	✓	0.14	100
400 mA	70 001 40	850	0.065	300 kA	0.4	✓	0.14	100
500 mA	70 001 40	800	0.12	300 kA	0.4	✓	0.14	100
630 mA	70 001 40	700	0.17	300 kA	0.5	✓	0.14	100
800 mA	70 001 40	600	0.26	300 kA	0.5	✓	0.14	100
1 A	70 001 40	750	0.17	300 kA	0.8	✓	0.14	100
1.25 A	70 001 40	750	0.26	300 kA	1.0	✓	0.14	100
1.6 A	70 001 40	700	0.31	300 kA	1.2	✓	0.14	100
2 A	70 001 40	650	0.64	300 kA	1.3	✓	0.14	100
2.5 A	70 001 40	600	0.88	300 kA	1.5	✓	0.14	100
3.15 A	70 001 40	550	1.6	300 kA	1.8	✓	0.14	100
4 A	70 001 40	500	3.2	300 kA	2.0	✓	0.14	100
5 A	70 001 40	500	5.9	300 kA	2.4	✓	0.14	100
6.3 A	70 001 40	450	10	1500 A	2.8		0.14	100
8 A	70 001 40	400	19	1500 A	3.2		0.14	100
10 A	70 001 40	400	30	1500 A	4.0		0.14	100
6.3 A	70 007 40	250	1.6	300 kA	2.8	✓	0.14	100
8 A	70 007 40	250	4.5	300 kA	3.0	✓	0.14	100
10 A	70 007 40	200	8.8	300 kA	3.4	✓	0.14	100
12.5 A	70 007 40	200	15	300 kA	4.0	✓	0.14	100



Pre-arcing time limits

Part No. 70 001 40

Rated current	1.0 I _{rat}	2.0 I _{rat}	2.75 I _{rat}	4 I _{rat}	10 I _{rat}
160 mA ▼ 800 mA	> 1 h	> 1 h	> 1 h	< 60 ms	< 6 ms
1 A ▼ 10 A		15 ms ▼ 1 s	4 ms ▼ 100 ms	1 ms ▼ 25 ms	< 3 ms

Part No. 70 007 40

Rated current	1.2 I _{rat}	1.5 I _{rat}	2.75 I _{rat}	4 I _{rat}	10 I _{rat}
6.3 A ▼ 12.5 A	> 1 h	< 30 min	4 ms ▼ 300 ms	1 ms ▼ 30 ms	< 1 ms

