


Fuses for Semiconductor Protection

Cylindrical Fuses



SIBA cylindrical ultra-rapid fuses are available in six different sizes. They can be fitted with or without a built-in striker pin for fuse blown indication or operation of microswitches.

Approval: 
 Standards: IEC 60269-1 and -4
 DIN VDE 0636-40
 UL 248-13
 Classes: gR/aR/gRL (gS)
 Current ratings: 100 mA – 250 A

Sizes and voltage ratings:

| | |
|---------------|--------------------------|
| 5 x 20 mm: | AC 250 V |
| 6.35 x 32 mm: | AC 500 – 1000 V |
| 10 x 38 mm: | AC 600 – 1000 V |
| 14 x 51 mm: | AC 500/600V – 690/700 V |
| 22 x 58 mm: | AC 500/600 V – 690/700 V |
| 27 x 60 mm: | AC 660 V – 1000 V |

Features / Benefits

- ▶ High interrupting rating up to 300 kA
- ▶ Voltage rating AC 250 V to AC 1000 V
- ▶ Protection of Power Semiconductors according to IEC 60269-1 and -4
- ▶ Available with integrated striker pin
- ▶ Classes according to IEC 60269-4 and DIN VDE 0636-40
- ▶ Fuse-holder / fuse-clips and accessories are available



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Selection Guide Fuse-Links

| Size | Rated Voltage | Indicator Type | Part No. | Selector Guide [Page] | Techn. Data [Page] |
|-----------|---------------|----------------|-----------|-----------------------|--------------------|
| 5 x 20 | AC 250 V | – | 70 001 40 | URZ 4 | URZ 16 |
| 5 x 20 | AC 250 V | – | 70 007 40 | URZ 4 | URZ 16 |
| 6.35 x 32 | AC 500/700 V | – | 70 125 40 | URZ 5 | URZ 18 |
| 6.35 x 32 | AC 400 V | – | 70 065 84 | URZ 5 | URZ 17 |
| 6.35 x 32 | AC/DC 1000 V | – | 70 172 40 | URZ 6 | URZ 19 |
| 10 x 38 | AC 600 V | – | 60 034 34 | URZ 7 | URZ 20 |
| 10 x 38 | AC 600 V | – | 60 064 34 | URZ 7 | URZ 20 |
| 10 x 38 | AC 600 V | – | 60 033 05 | URZ 7 | URZ 21 |
| 10 x 38 | AC 660 V | – | 50 179 06 | URZ 8 | URZ 22 |
| 10 x 38 | AC/DC 1000 V | – | 50 199 06 | URZ 8 | URZ 23 |
| 10 x 35 | AC/DC 1000 V | – | 50 210 06 | URZ 8 | URZ 24 |
| 14 x 51 | AC 500/600 V | – | 50 058 06 | URZ 9 | URZ 25 |
| 14 x 51 | AC 500/600 V | with striker | 50 059 06 | URZ 9 | URZ 25 |
| 14 x 51 | AC 690 V | – | 50 124 06 | URZ 9 | URZ 27 |
| 14 x 51 | AC 690 V | with striker | 50 126 06 | URZ 9 | URZ 27 |
| 14 x 51 | AC 690 V | – | 50 124 34 | URZ 10 | URZ 26 |
| 14 x 51 | AC 690 V | with striker | 50 126 34 | URZ 10 | URZ 26 |
| 14 x 51 | DC 700 V | – | 50 118 06 | URZ 11 | URZ 28 |
| 14 x 51 | DC 700 V | – | 50 201 06 | URZ 11 | URZ 29 |
| 22 x 58 | AC 500/660 V | – | 50 060 06 | URZ 12 | URZ 30 |
| 22 x 58 | AC 500/660 V | with striker | 50 061 06 | URZ 12 | URZ 30 |
| 22 x 58 | AC 690 V | – | 50 140 06 | URZ 12 | URZ 31 |
| 22 x 58 | AC 690 V | with striker | 50 142 06 | URZ 12 | URZ 31 |
| 22 x 58 | AC 690 V | – | 50 140 34 | URZ 13 | URZ 32 |
| 22 x 58 | AC 690 V | with striker | 50 142 34 | URZ 13 | URZ 32 |
| 27 x 60 | AC 660 V | – | 50 193 20 | URZ 14 | URZ 33 |
| 27 x 60 | AC 660 V | with striker | 50 194 20 | URZ 14 | URZ 33 |
| 27 x 60 | AC 1000 V | – | 50 196 20 | URZ 14 | URZ 34 |
| 27 x 60 | AC 1000 V | with striker | 50 197 20 | URZ 14 | URZ 34 |
| 27 x 60 | DC 660 V | – | 50 190 06 | URZ 15 | URZ 35 |



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Selection Guide Fuse-Holder ZS-Modul

| ZS-Module | Number of Poles | Indicator Type | Part No. | Techn. Data [Page] |
|-----------|-----------------|----------------|--------------|--------------------|
| 10 x 38 | 1 | - | 51 063 04.DC | URZ 37 |
| 10 x 38 | 1 | - | 51 063 04 | URZ 37 |
| 10 x 38 | 2 | - | 51 063 04.2 | URZ 37 |
| 10 x 38 | 3 | - | 51 063 04.3 | URZ 37 |
| 10 x 38 | 1 | LED indicator | 51 063 04.L | URZ 37 |
| 10 x 38 | 2 | LED indicator | 51 063 04.2L | URZ 37 |
| 10 x 38 | 3 | LED indicator | 51 063 04.3L | URZ 37 |
| 14 x 51 | 1 | - | 51 058 04 | URZ 37 |
| 14 x 51 | 2 | - | 51 058 04.2 | URZ 37 |
| 14 x 51 | 3 | - | 51 058 04.3 | URZ 37 |
| 14 x 51 | 1 | micro switch | 51 058 04.S | URZ 37 |
| 14 x 51 | 2 | micro switch | 51 058 04.2S | URZ 37 |
| 14 x 51 | 3 | micro switch | 51 058 04.3S | URZ 37 |
| 22 x 58 | 1 | - | 51 060 04 | URZ 37 |
| 22 x 58 | 2 | - | 51 060 04.2 | URZ 37 |
| 22 x 58 | 3 | - | 51 060 04.3 | URZ 37 |
| 22 x 58 | 1 | micro switch | 51 060 04.S | URZ 37 |
| 22 x 58 | 3 | micro switch | 51 060 04.3S | URZ 37 |

Selection Guide Fuse-Clips

| Size | Part No. | Techn. Data [Page] | Type |
|-------|-------------|--------------------|-----------|
| 10 mm | 61 017 01.2 | URZ 35 | |
| 14 mm | 61 001 01.2 | URZ 35 | screw |
| 22 mm | 61 002 01.3 | URZ 35 | mountable |
| 27 mm | 61 004 01.3 | URZ 35 | |
| 14 mm | 58 058 06 | URZ 36 | PCB |
| 22 mm | 58 060 06 | URZ 36 | mountable |



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Size
5 x 20 mm

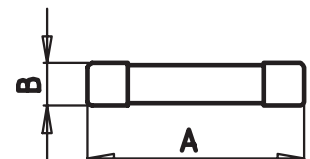
Rated Voltage
AC 250 V

Class
aR

| Rated Current [A] | Part No. | Rated Breaking Capacity [kA] | UL Rec. | Weight [kg/100] | Pack |
|-------------------|-----------------|------------------------------|---------|-----------------|------|
| 100 mA | 70 001 40.0.100 | 300 | ✓ | 0.14 | 100 |
| 125 mA | 70 001 40.0.125 | 300 | ✓ | 0.14 | 100 |
| 160 mA | 70 001 40.0.160 | 300 | ✓ | 0.14 | 100 |
| 200 mA | 70 001 40.0.200 | 300 | ✓ | 0.14 | 100 |
| 250 mA | 70 001 40.0.250 | 300 | ✓ | 0.14 | 100 |
| 315 mA | 70 001 40.0.315 | 300 | ✓ | 0.14 | 100 |
| 400 mA | 70 001 40.0.400 | 300 | ✓ | 0.14 | 100 |
| 500 mA | 70 001 40.0.500 | 300 | ✓ | 0.14 | 100 |
| 630 mA | 70 001 40.0.630 | 300 | ✓ | 0.14 | 100 |
| 800 mA | 70 001 40.0.800 | 300 | ✓ | 0.14 | 100 |
| 1 | 70 001 40.1 | 300 | ✓ | 0.14 | 100 |
| 1.25 | 70 001 40.1.25 | 300 | ✓ | 0.14 | 100 |
| 1.6 | 70 001 40.1.6 | 300 | ✓ | 0.14 | 100 |
| 2 | 70 001 40.2 | 300 | ✓ | 0.14 | 100 |
| 2.5 | 70 001 40.2.5 | 300 | ✓ | 0.14 | 100 |
| 3.15 | 70 001 40.3.15 | 300 | ✓ | 0.14 | 100 |
| 4 | 70 001 40.4 | 300 | ✓ | 0.14 | 100 |
| 5 | 70 001 40.5 | 300 | ✓ | 0.14 | 100 |
| 6.3 | 70 001 40.6.3 | 1 500 A | | 0.14 | 100 |
| 8 | 70 001 40.8 | 1 500 A | | 0.14 | 100 |
| 10 | 70 001 40.10 | 1 500 A | | 0.14 | 100 |
| 6.3 | 70 007 40.6.3 | 300 | ✓ | 0.14 | 100 |
| 8 | 70 007 40.8 | 300 | ✓ | 0.14 | 100 |
| 10 | 70 007 40.10 | 300 | ✓ | 0.14 | 100 |
| 12.5 | 70 007 40.12.5 | 300 | ✓ | 0.14 | 100 |

A 0.79" (20 mm)

B 0.2" (5 mm)





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Cylindrical Fuses

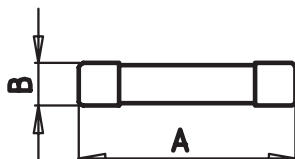
Size **6.35 x 32 mm** Rated Voltage **AC 400 V** Class **gRL(gS)**

| Rated Current [A] | Part No. | Rated Breaking Capacity [kA] | Rated Voltage [AC] | UL Rec. | Weight [kg/100] | Pack |
|----------------------|----------------|---------------------------------|-----------------------|---------|--------------------|------|
| 6.3 | 70 065 84.6.3 | 120 kA | 400 V | ✓ | 0.9 | 10 |
| 8 | 70 065 84.8 | 120 kA | 400 V | ✓ | 0.9 | 10 |
| 10 | 70 065 84.10 | 120 kA | 400 V | ✓ | 0.9 | 10 |
| 12.5 | 70 065 84.12.5 | 120 kA | 400 V | ✓ | 0.9 | 10 |
| 16 | 70 065 84.16 | 120 kA | 400 V | ✓ | 0.9 | 10 |
| 20 | 70 065 84.20 | 120 kA | 400 V | ✓ | 0.9 | 10 |

Size **6.35 x 32 mm** Rated Voltage **AC 500/700 V** Class **aR**

| Rated Current [A] | Part No. | Rated Breaking Capacity [kA] | Rated Voltage [V] | UL Rec. | c UL | Weight [kg/100] | Pack |
|----------------------|-----------------|---------------------------------|----------------------|---------|------|--------------------|------|
| 160 mA | 70 125 40.0.160 | 50 | 700 | ✓ | ✓ | 0.24 | 100 |
| 200 mA | 70 125 40.0.200 | 50 | 700 | ✓ | ✓ | 0.24 | 100 |
| 250 mA | 70 125 40.0.250 | 50 | 700 | ✓ | ✓ | 0.24 | 100 |
| 315 mA | 70 125 40.0.315 | 50 | 700 | ✓ | ✓ | 0.24 | 100 |
| 400 mA | 70 125 40.0.400 | 50 | 700 | ✓ | ✓ | 0.24 | 100 |
| 500 mA | 70 125 40.0.500 | 50 | 700 | ✓ | ✓ | 0.24 | 100 |
| 630 mA | 70 125 40.0.630 | 50 | 700 | ✓ | ✓ | 0.24 | 100 |
| 800 mA | 70 125 40.0.800 | 50 | 700 | ✓ | ✓ | 0.24 | 100 |
| 1 | 70 125 40.1 | 50 | 700 | ✓ | ✓ | 0.24 | 100 |
| 1.25 | 70 125 40.1.25 | 50 | 700 | ✓ | ✓ | 0.24 | 100 |
| 1.6 | 70 125 40.1.6 | 50 | 700 | ✓ | ✓ | 0.24 | 100 |
| 2 | 70 125 40.2 | 50 | 700 | ✓ | ✓ | 0.24 | 100 |
| 2.5 | 70 125 40.2.5 | 50 | 500 | ✓ | ✓ | 0.24 | 100 |
| 3.15 | 70 125 40.3.15 | 50 | 500 | ✓ | ✓ | 0.24 | 100 |
| 4 | 70 125 40.4 | 50 | 500 | ✓ | ✓ | 0.24 | 100 |
| 5 | 70 125 40.5 | 50 | 500 | ✓ | ✓ | 0.24 | 100 |
| 6.3 | 70 125 40.6.3 | 50 | 500 | ✓ | ✓ | 0.24 | 100 |
| 8 ¹ | 70 125 40.8 | 50 | 500 | ✓ | ✓ | 0.24 | 100 |
| 10 ¹ | 70 125 40.10 | 50 | 500 | ✓ | ✓ | 0.24 | 100 |
| 12.5 ¹ | 70 125 40.12.5 | 50 | 500 | ✓ | ✓ | 0.24 | 100 |
| 16 ¹ | 70 125 40.16 | 50 | 500 | ✓ | ✓ | 0.24 | 100 |
| 20 ¹ | 70 125 40.20 | 50 | 500 | ✓ | ✓ | 0.24 | 100 |

¹ Consideration should be given to heat dissipation.



A 1.26" (32 mm)
B 0.25" (6.35 mm)



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Size **6.35 x 32 mm** Rated Voltage **AC/DC 1000 V** **DMI Fuse for Digital Measuring Instruments** Class **aR**

| Rated Current [A] | Part No. | UL Rec. | Weight [kg/100] | Pack |
|-------------------|-----------------|---------|-----------------|------|
| 315 mA | 70 172 40.0.315 | | 0.24 | 100 |
| 500 mA | 70 172 40.0.500 | | 0.24 | 100 |
| 1.6 A | 70 172 40.1.6 | | 0.24 | 100 |
| 2 A | 70 172 40.2 | | 0.24 | 100 |

A 1.26" (32 mm)
B 0.25" (6.35 mm)

