


FUSES FOR SEMICONDUCTOR PROTECTION

CYLINDRICAL FUSES – EUROPEAN STANDARD



SIBA cylindrical ultra-rapid fuses are available in 6 different sizes. They can be fitted with or without built-in striker pin for fuse blown indication or operation of microswitches.

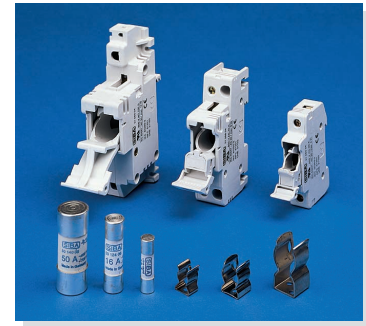
Approval: 
 Standard: IEC 60269-1 and -4
 DIN VDE 0636-23
 UL 248-13
 Class: gR/aR/gRL
 Current ratings: 125 mA – 200 A

Size and voltage rating:

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 up to AC 1000 V
- ▶ Protection of Power Semiconductors according to IEC 60269-1 and -4
- ▶ With or without integrated striker pin
- ▶ Class aR according to IEC 60269-4 and DIN VDE 0636-40
- ▶ Class gR according DIN VDE 0636-40
- ▶ Fuse-Bases / Fuse-Clips and Accessories are available



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Size **22 x 58 mm** Rated voltage **AC 500 V (IEC) · AC 600 V (UL)** Class **aR**

Rated current	Part No.	Part No. with striker pin	UL Rec.	Weight (kg/100)	Pack
12 A	50 060 06	50 061 06		5.5	10
16 A	50 060 06	50 061 06		5.5	10
20 A	50 060 06	50 061 06		5.5	10
25 A	50 060 06	50 061 06		5.5	10
32 A	50 060 06	50 061 06		5.5	10
40 A	50 060 06	50 061 06		5.5	10
50 A	50 060 06	50 061 06		5.5	10
63 A	50 060 06	50 061 06		5.5	10
80 A	50 060 06	50 061 06		5.5	10
100 A	50 060 06	50 061 06		5.5	10

Size **22 x 58 mm** Rated voltage **AC 690 V (IEC) · AC 700 V (UL)** Class **gR**

Rated current	Part No.	Part No. with striker pin	UL Rec.	Weight (kg/100)	Pack
12 A	50 140 06	50 142 06	✓	5.5	10
16 A	50 140 06	50 142 06	✓	5.5	10
20 A	50 140 06	50 142 06	✓	5.5	10
25 A	50 140 06	50 142 06	✓	5.5	10
32 A	50 140 06	50 142 06	✓	5.5	10
40 A	50 140 06	50 142 06	✓	5.5	10
50 A	50 140 06	50 142 06	✓	5.5	10
63 A	50 140 06	50 142 06	✓	5.5	10
80 A	50 140 06	50 142 06	✓	5.5	10
100 A	50 140 06	50 142 06	✓	5.5	10

without striker pin

A 2.28" (58 mm)

B 0.87" (22 mm)

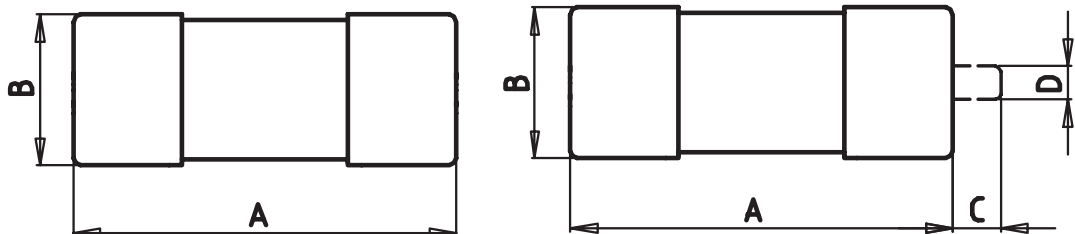
with striker pin

A 2.28" (58 mm)

B 0.87" (22 mm)

C_{min} 0.28" (7 mm)

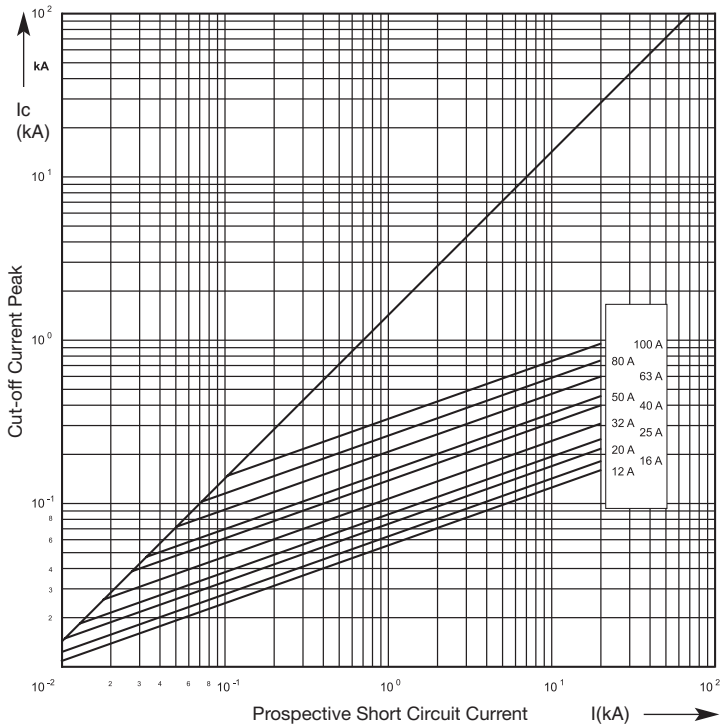
D 0.20" (4.9 mm)



Size **22 x 58 mm** Rated voltage **AC 690 V (IEC) · AC 700 V (UL)** Operating class **gR** Rated breaking capacity **200 kA**

Rated current	Part No.	Part No. with striker pin	Power loss W	Pre-arcing I ² t-value A ² s	Total I ² t-value @ 660 V A ² s
12 A	50 140 06	50 142 06	4.8	8	35
16 A	50 140 06	50 142 06	5.5	12	52
20 A	50 140 06	50 142 06	6.0	21	91
25 A	50 140 06	50 142 06	7.2	32	140
32 A	50 140 06	50 142 06	9.6	63	315
40 A	50 140 06	50 142 06	12	140	610
50 A	50 140 06	50 142 06	15	210	910
63 A	50 140 06	50 142 06	16	510	2,260
80 A	50 140 06	50 142 06	18	1,000	4,400
100 A	50 140 06	50 142 06	19	2,050	8,900

Cut-off-characteristics



Time / Current Characteristics

