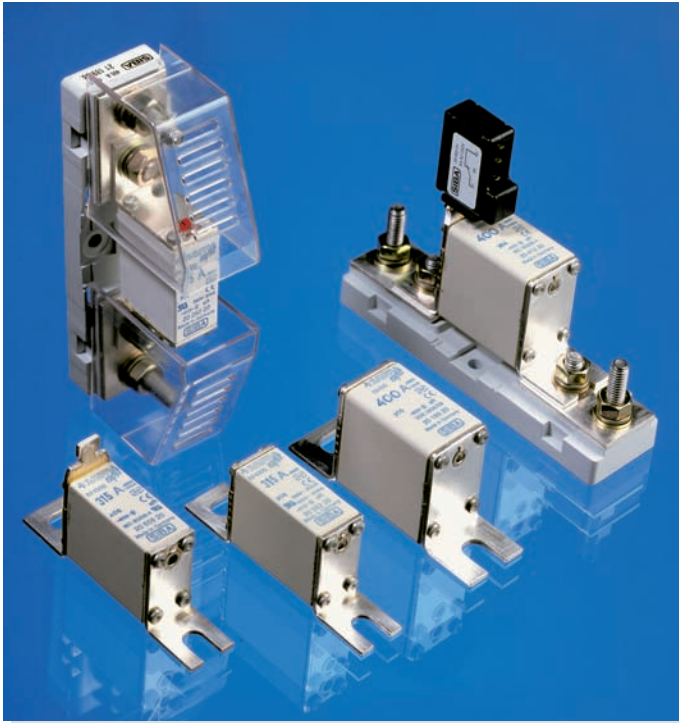



# Fuses for Semiconductor Protection

European Standard

Sizes 000 and 00



Class: aR  
 Voltage ratings: AC 660 V – AC 1000 V  
 Current ratings: 16 A to 400 A  
 Approvals:   
 Standards: DIN 43653  
 IEC 60269-1 and -4  
 DIN VDE 0636-40  
 UL 248-13

## Features / Benefits

- ▶ Extremely high interrupting rating 100 kA – 300 kA
- ▶ Voltage ratings AC 660 V – AC 1000 V
- ▶ Protection of Power Semiconductors according to IEC 60269-1 and -4
- ▶ Complies with DIN 43653 – sizes 000 and 00 with or without Topindicator and trip microswitch
- ▶ aR class 16 A–400 A according to IEC 60269-4 and DIN VDE 0636-40
- ▶ Fuse-bases and accessories are available



**Fuses for Semiconductor Protection**  
European Standard

Sizes 000 and 00

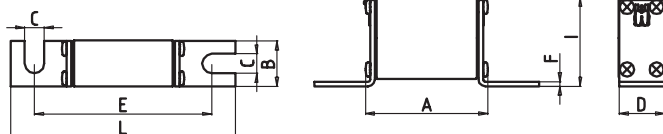
Size **000** Rated Voltage **AC 660 V** Standard **DIN 43653**

Rated Current [A]	Part No. with Top Indicator	Part No. without Top Indicator	UL Rec.	Weight [kg/1]	Pack
16	20 282 04.16	20 282 41.16		0.17	6
20	20 282 04.20	20 282 41.20		0.17	6
25	20 282 04.25	20 282 41.25		0.17	6
32	20 282 04.32	20 282 41.32		0.17	6
35	20 282 04.35	20 282 41.35		0.17	6
40	20 282 04.40	20 282 41.40		0.17	6
50	20 282 04.50	20 282 41.50		0.17	6
63	20 282 04.63	20 282 41.63		0.17	6
80	20 282 04.80	20 282 41.80		0.17	6
100	20 282 04.100	20 282 41.100		0.17	6
125	20 282 04.125	20 282 41.125		0.17	6
160	20 282 04.160	20 282 41.160		0.17	6

Size **000** Rated Voltage **AC 690/700 V** Standard **DIN 43653**

Rated current [A]	Part No. with Top Indicator	Part No. without Top Indicator	UL Rec.	Weight [kg/1]	Pack
32	20 282 20.32	20 282 21.32	✓	0.17	6
35	20 282 20.35	20 282 21.35	✓	0.17	6
40	20 282 20.40	20 282 21.40	✓	0.17	6
50	20 282 20.50	20 282 21.50	✓	0.17	6
63	20 282 20.63	20 282 21.63	✓	0.17	6
80	20 282 20.80	20 282 21.80	✓	0.17	6
100	20 282 20.100	20 282 21.100	✓	0.17	6
125	20 282 20.125	20 282 21.125	✓	0.17	6
160	20 282 20.160	20 282 21.160	✓	0.17	6
200	20 282 20.200	20 282 21.200	✓	0.17	6
250	20 282 20.250	20 282 21.250	✓	0.17	6
315	20 282 20.315	20 282 21.315	✓	0.17	6

Available in DC 700 V see URDC section.



- A** 2.17" (55 mm)
- B** 0.80" (20 mm)
- C** 0.33" (8.5 mm)
- D** 0.80" (20.4 mm)
- E** 3.07" (78 mm)
- F** 0.08" (2 mm)
- I** 1.54" (39 mm)
- L<sub>(max)</sub>** 3.94" (100 mm)

Size  
**000**

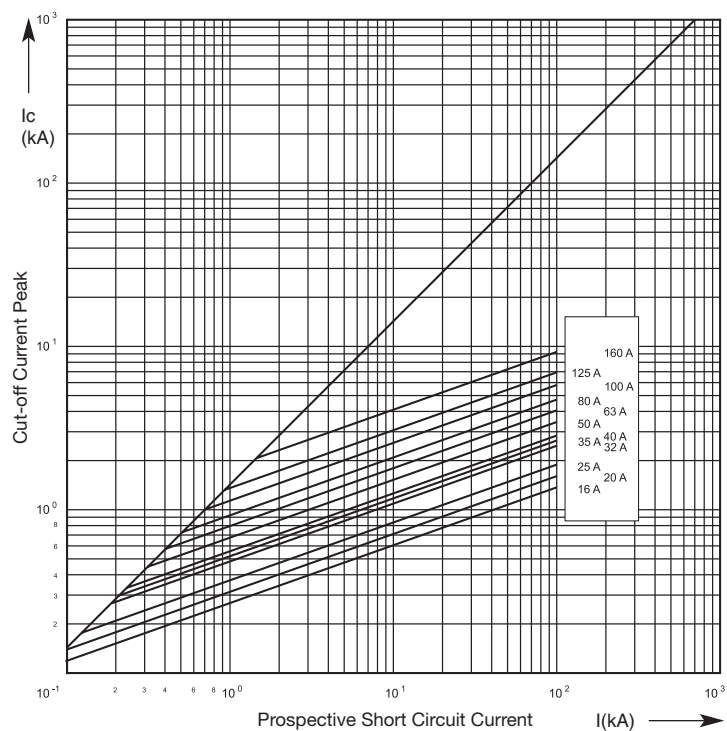
Rated Voltage  
**AC 660 V**

Operating Class  
**aR**

Rated Breaking Capacity  
**100 kA**

Rated Current [A]	Part No. with Top Indicator	Part No. without Top Indicator	Part No. Fitting for Micro Switch	Power Loss [W]	Pre-arcing I <sup>2</sup> t-value [A <sup>2</sup> s]	Total I <sup>2</sup> t-value @ 660 V [A <sup>2</sup> s]
16	20 282 04.16	20 282 41.16	20 558 04.16	5	10	70
20	20 282 04.20	20 282 41.20	20 558 04.20	6	17	120
25	20 282 04.25	20 282 41.25	20 558 04.25	7	29	200
32	20 282 04.32	20 282 41.32	20 558 04.32	9	66	450
35	20 282 04.35	20 282 41.35	20 558 04.35	9	81	550
40	20 282 04.40	20 282 41.40	20 558 04.40	10	103	700
50	20 282 04.50	20 282 41.50	20 558 04.50	11	184	1 300
63	20 282 04.63	20 282 41.63	20 558 04.63	13	330	2 300
80	20 282 04.80	20 282 41.80	20 558 04.80	18	512	3 500
100	20 282 04.100	20 282 41.100	20 558 04.100	22	930	6 400
125	20 282 04.125	20 282 41.125	20 558 04.125	24	1 650	11 200
160	20 282 04.160	20 282 41.160	20 558 04.160	28	4 250	29 000

Cut-Off characteristics



Time-Current Characteristics

