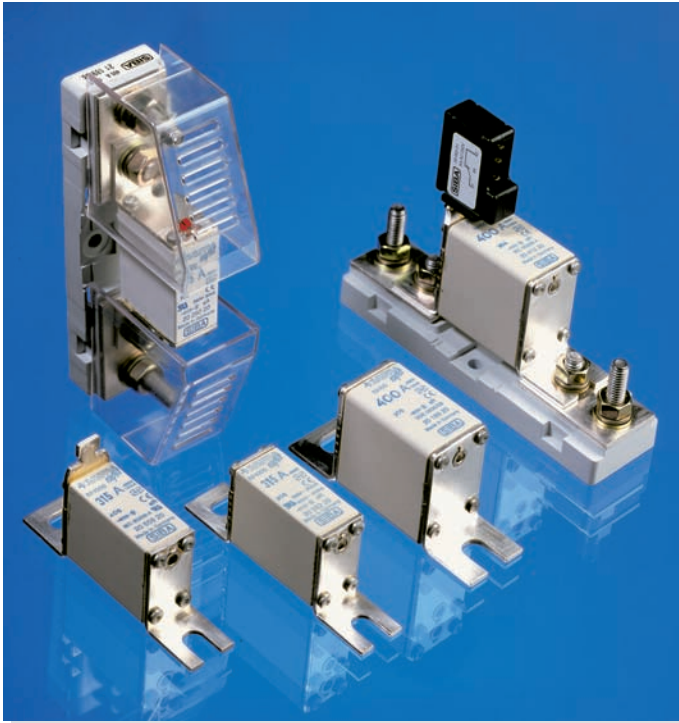


Fuses for Semiconductor Protection

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

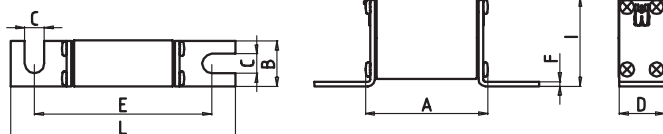
Size **000** Rated Voltage **AC 660 V** Standard **DIN 43653**

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.

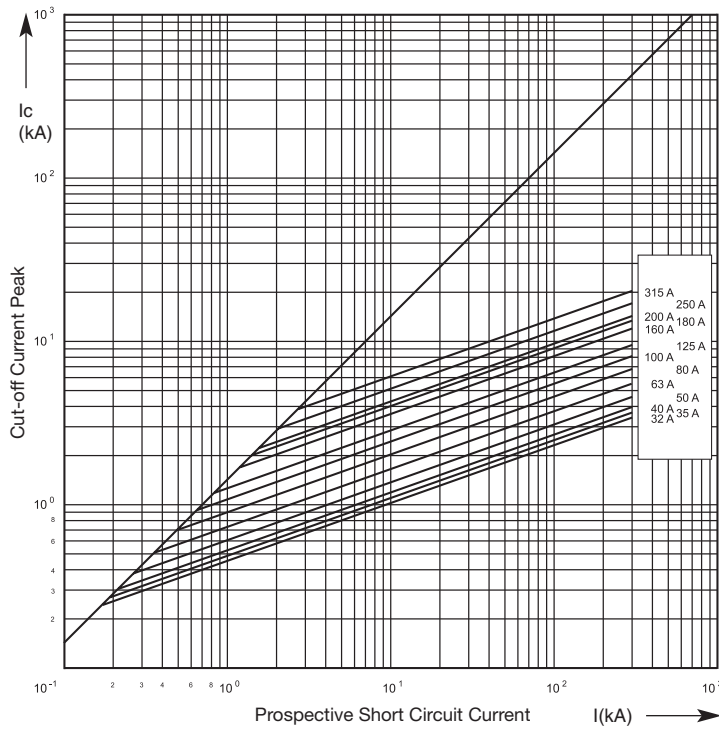


- A** 2.17" (55 mm)
- B** 0.80" (20 mm)
- C** 0.33" (8.5 mm)
- D** 0.80" (20.4 mm)
- E** 3.07" (78 mm)
- F** 0.08" (2 mm)
- I** 1.54" (39 mm)
- L_(max)** 3.94" (100 mm)

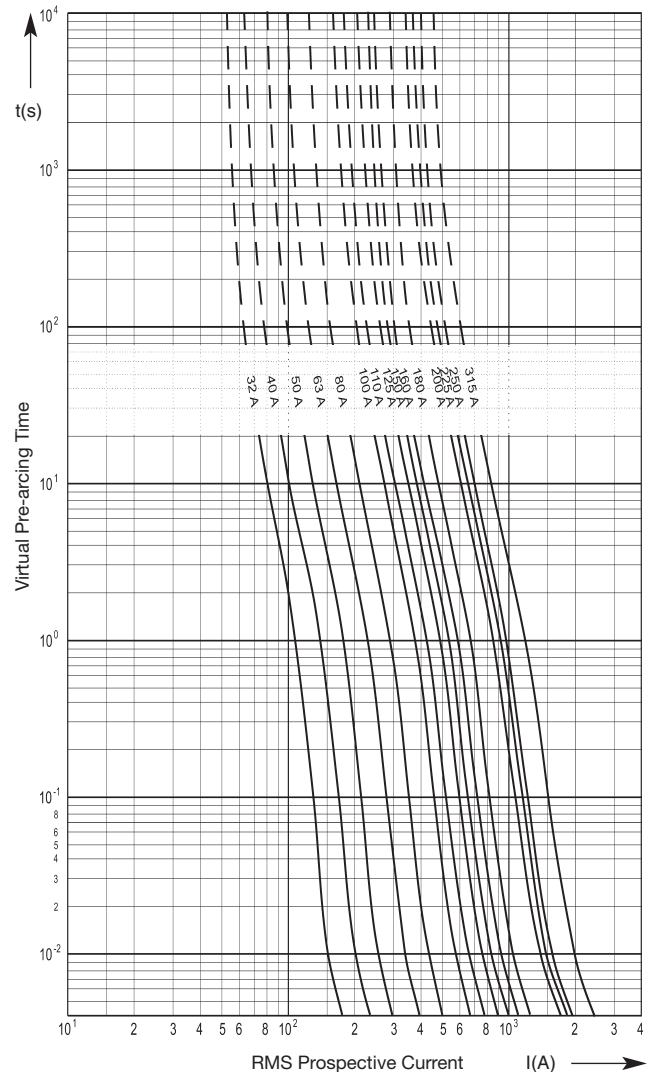
Size 000	Rated Voltage AC 690/700 V	Operating Class aR	Rated Breaking Capacity 600 V / 300 kA · 700 V / 200 kA
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Rated Current [A]	Part No. with Top Indicator	Part No. without Top Indicator	Part No. Fitting for Micro Switch	Power Loss [W]	Pre-arcing I ² t-value [A ² s]	Total I ² t-value @ 660 V [A ² s]
32	20 282 20.32	20 282 21.32	20 558 20.32	8	52	290
35	20 282 20.35	20 282 21.35	20 558 20.35	9	66	360
40	20 282 20.40	20 282 21.40	20 558 20.40	10	90	500
50	20 282 20.50	20 282 21.50	20 558 20.50	12	140	770
63	20 282 20.63	20 282 21.63	20 558 20.63	14	250	1 400
80	20 282 20.80	20 282 21.80	20 558 20.80	18	470	2 600
100	20 282 20.100	20 282 21.100	20 558 20.100	22	730	4 000
125	20 282 20.125	20 282 21.125	20 558 20.125	26	1 300	7 200
160	20 282 20.160	20 282 21.160	20 558 20.160	32	2 800	15 400
180	20 282 20.180	20 282 21.180	20 558 20.180	35	3 700	20 400
200	20 282 20.200	20 282 21.200	20 558 20.200	39	4 500	25 000
250	20 282 20.250	20 282 21.250	20 558 20.250	47	8 000	44 000
315	20 282 20.315	20 282 21.315	20 558 20.315	58	14 000	77 000

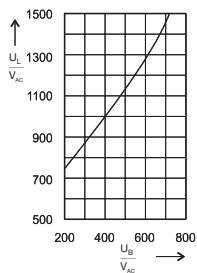
Cut-Off characteristics



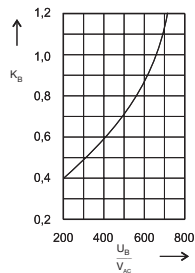
Time-Current Characteristics



Arc voltage-Diagram



Reduction factor for total I²t-value



Reduction factor for power loss

