

Fuses for Semiconductor Protection - European Standard



Class: gR / aR

Voltage ratings: 440V_{AC} to 500V_{AC}

Current ratings: 2A to 200A

Standards: IEC 60269-4

DIN VDE 0636-40

DIN 49515 / 49360

DIN 43653

SIBA D-Fuse also known as Diazed and Neozed

Features and Benefits



Class gR for rated current to 100A
Class aR for rated current above 100A



All fuses have blown fuse indication



Protection of power semiconductors according to IEC 60269-4



Fuse bases and accessories available

Fuses for Applications

Article	Description		Selection Guide	Technical Data
500V _{AC}				
1000207	ND - E16	With blown fuse indication	206	206 - 207
1000507	DII - E27			
1000707	DIII - E33			
1000907	DIV - R1-1/4"			
1001007	DV - R2"			
440V _{AC}				
1002707	D01 - E14	With blown fuse indication	208	208 - 209
1002807	D02 - E18			
1002907	D03 - M30x2			



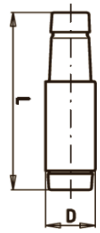
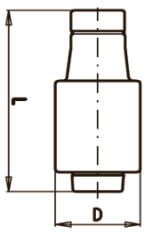
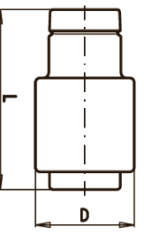
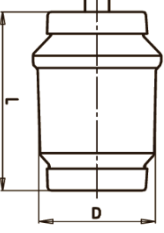
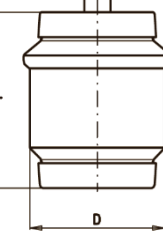
URD	Rated Voltage [U _n] 500V _{AC}	Rated Breaking Test Capacity 100kA	Class gR	Standard(s) IEC 60269-4 VDE 0636 Part 40 DIN 49365
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ND, DII, DIII, DIV & DV

Rated Current [A]	ND Article Number	DII Article Number	DIII Article Number		Power Loss [W]	Pre-arc I ² t [A ² s]	Total I ² t @ 230V _{DC} [A ² s]	Total I ² t @ 500V _{AC} [A ² s]
2	1000207.2*	1000507.2*			1.8	1	1.5	2
4	1000207.4*	1000507.4*			3.1	4	6	8
6	1000207.6	1000507.6			4	6	8	11
10	1000207.10	1000507.10			6	13	17	25
16	1000207.16	1000507.16			7	26	40	55
20	1000207.20	1000507.20			8	45	70	100
25	1000207.25	1000507.25			10	75	115	170
30	1000207.30	1000507.30			12	125	205	330
35			1000707.35		13	185	290	425
50			1000707.50		16	430	750	1 160
63			1000707.63		19	670	1 260	1 850
Weight [kg / 1]								
0.016				0.031				
Units per Package								
50				5				
* No Indicator				* No Indicator				

Rated Current [A]	DIV Article Number	DV Article Number		Power Loss [W]	Pre-arc I ² t [A ² s]	Total I ² t @ 230V _{DC} [A ² s]	Total I ² t @ 500V _{AC} [A ² s]
80	1000907.80			33	800	1 500	2 300
100	1000907.100			42	1 400	2 700	4 500
125		1001007.125		32	3 400	6 500	11 200
160		1001007.160		43	6 800	13 000	23 100
200		1001007.200		56	10 000	35 000	35 000
Weight [kg / 1]							
0.116				0.116			
Units per Package							
5				5			

Dimensions [in / mm]

	ND 1000207	DII 1000507	DIII 1000707	DIV 1000907	DV 1001007
					
D	0.50 / 12.5	0.87 / 22	1.06 / 27	1.30 / 33	1.80 / 46
L	1.97 / 50	1.97 / 50	1.97 / 50	1.97 / 50	1.97 / 50

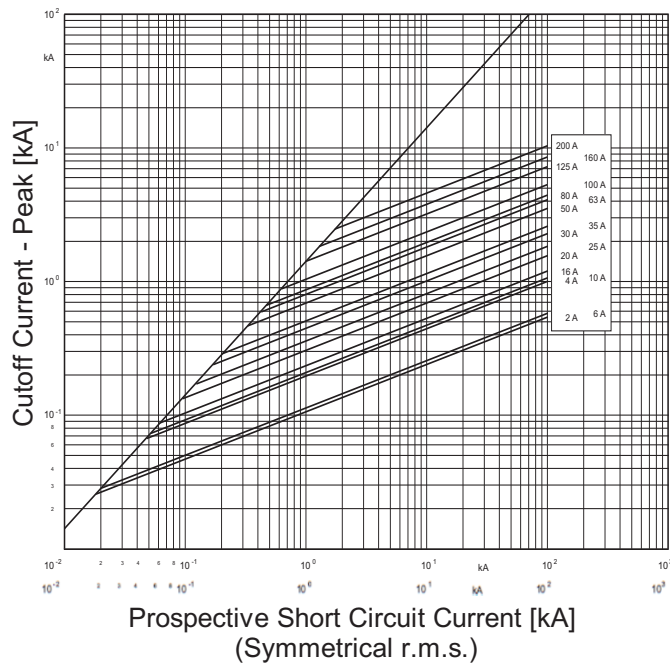
SIBA LLC

29 Fairfield Place
West Caldwell, New Jersey 07006

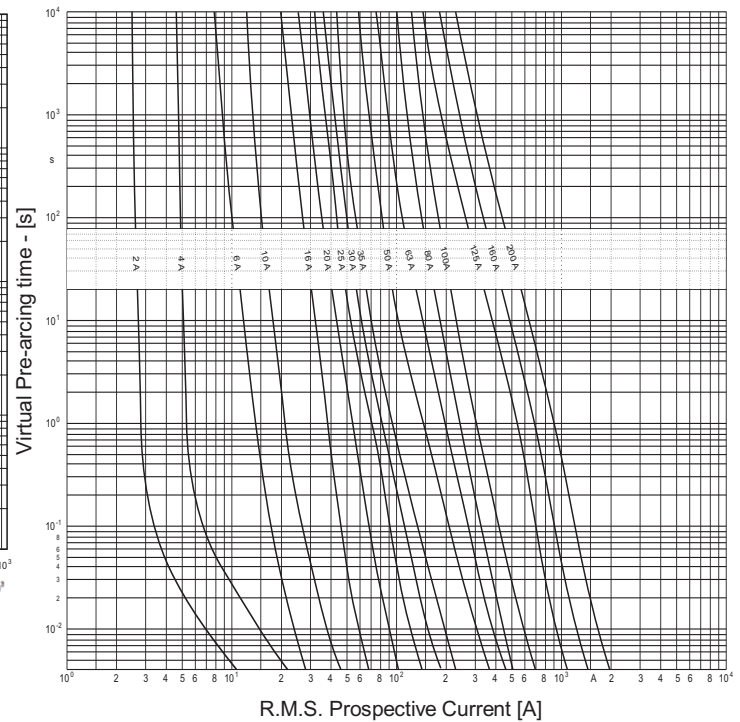
e-mail: info@sibafuse.com
www.siba-fuses.us

URD	Rated Voltage [U _n] 500V _{AC}	Rated Breaking Capacity 100kA	Test Voltage 500V _{AC}	Class gR	Standard(s) IEC 60269-4 VDE 0636 Part 40 DIN 49365
ND, DII, DIII, DIV & DV					

Cut-Off current Characteristics



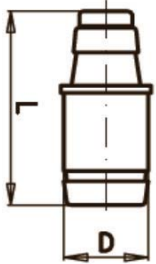
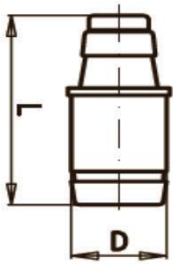
Time-Current Characteristics



URD	Rated Voltage [U _n] 440V _{AC}	Rated Breaking Test Capacity 100kA	Class gR	Standard(s) IEC 60269-4 VDE 0636 Part 40 DIN 49522
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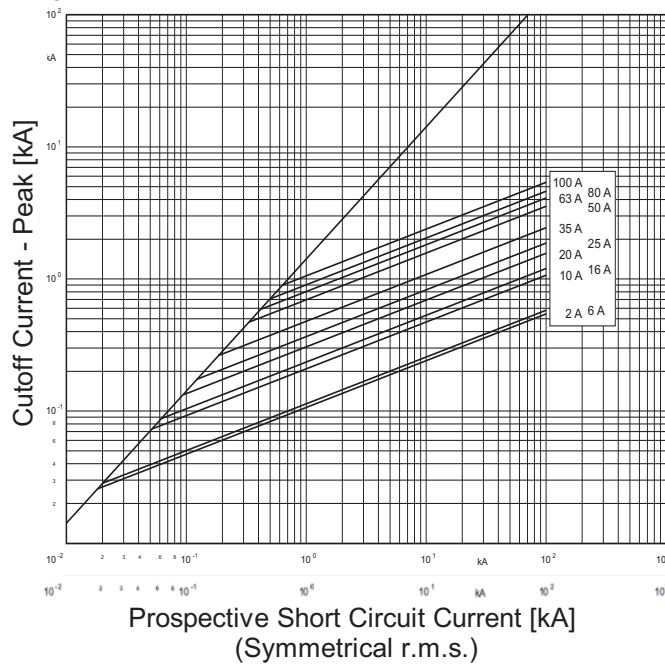
D01, D02 & D03

Rated Current [A]	D01 Article Number	D02 Article Number	D03 Article Number		Power Loss [W]	Pre-arc I ² t [A ² s]	Total I ² t @ 230V _{DC} [A ² s]	Total I ² t @ 400V _{AC} [A ² s]
2					2.5	1	1.5	3.5
6	1002707.6				3.3	4	6	10
10	1002707.10				4.3	10	15	25
16	1002707.16				5.9	25	40	65
20		1002807.20			5	60	60	100
25		1002807.25			6	100	100	170
35		1002807.35			8	140	240	400
50		1002807.50			11	420	900	1 500
63		1002807.63			15	640	1 450	2 400
80			1002907.80		18	860	2 000	3 300
100			1002907.100		22	1 400	3 400	5 600
Weight [kg per 1]								
0.006								
0.014								
0.042								
Units per Package								
50								
25								
25								

Dimensions [in / mm]			
	D01 1002707	D02 1002807	D03 1002907
			
D	0.43 / 11	0.60 / 15.3	0.90 / 22.5
L	1.42 / 36	1.97 / 50	1.70 / 43

URD	Rated Voltage [U _n] 440V _{AC}	Rated Breaking Capacity 100kA	Test Voltage 500V _{AC}	Class gR	Standard(s) IEC 60269-4 VDE 0636 Part 40 DIN 49522
D01, D02 & D03					

Cut-Off current Characteristics



Time-Current Characteristics

