URD

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
- AI fuses have blown fuse indication
- Protection of power semiconductors according to IEC 60269-4
- Fuse bases and accessories available

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West Caldwell, New Jersey 07006
e-mail: info@sibafuse.com
www.siba-fuses.us

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			



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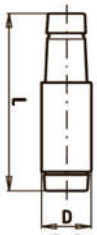
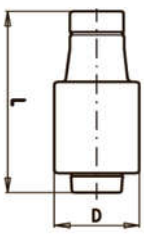
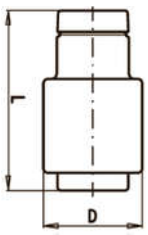
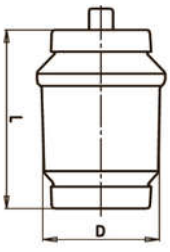
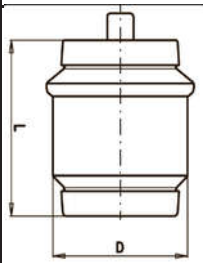
URD	Rated Voltage [U_n]	Rated Breaking Capacity	Test Voltage	Class	Standard(s)
	500V_{AC}	100kA	500V_{AC}	gR	IEC 60269-4 VDE 0636 Part 40 DIN 49365

ND, DII, DIII, DIV & DV

Rated Current [A]	ND Article Number	DII Article Number	DIII Article Number		Power Loss [W]	Pre-arc I^2t [A^2s]	Total I^2t @ 230V_{DC} [A^2s]	Total I^2t @ 500V_{AC} [A^2s]
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	0.031					
	Units per Package							
	50	5	5					
	* No Indicator	* No Indicator						

Rated Current [A]	DIV Article Number	DV Article Number		Power Loss [W]	Pre-arc I^2t [A^2s]	Total I^2t @ 230V_{DC} [A^2s]	Total I^2t @ 500V_{AC} [A^2s]
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					

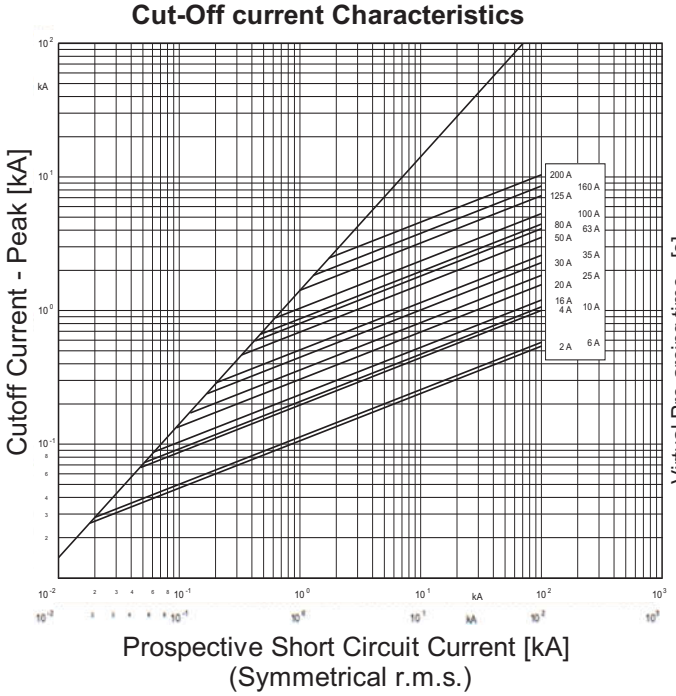
Dimensions [in / mm]

	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

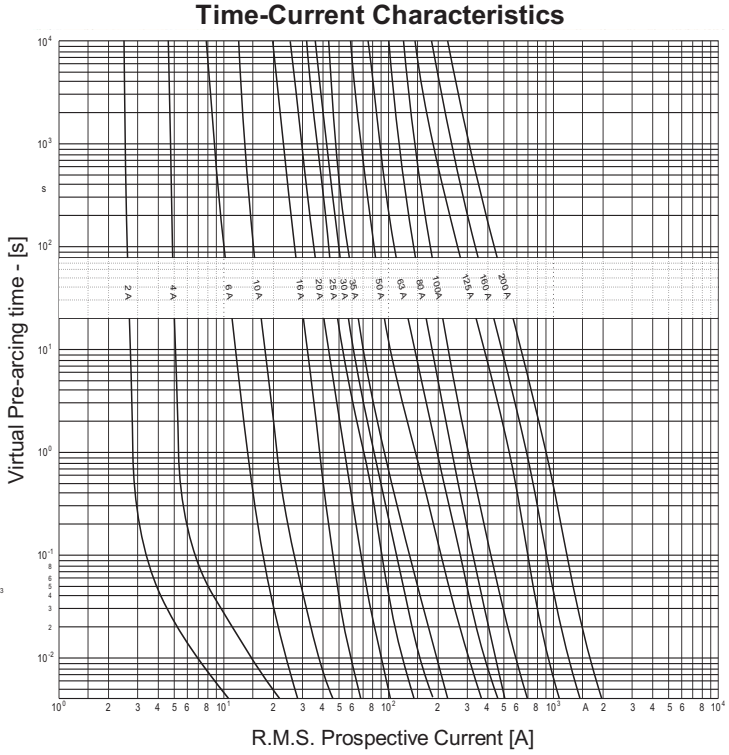
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ND, DII, DIII, DIV & DV	500V_{AC}	100kA	500V_{AC}	gR	IEC 60269-4 VDE 0636 Part 40 DIN 49365

Cut-Off current Characteristics



Time-Current Characteristics



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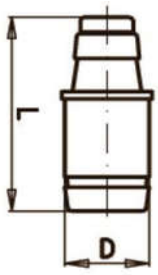
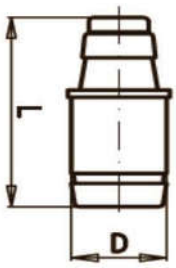
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D01, D02 & D03	440V_{AC}	100kA	500V_{AC}	gR	IEC 60269-4 VDE 0636 Part 40 DIN 49522

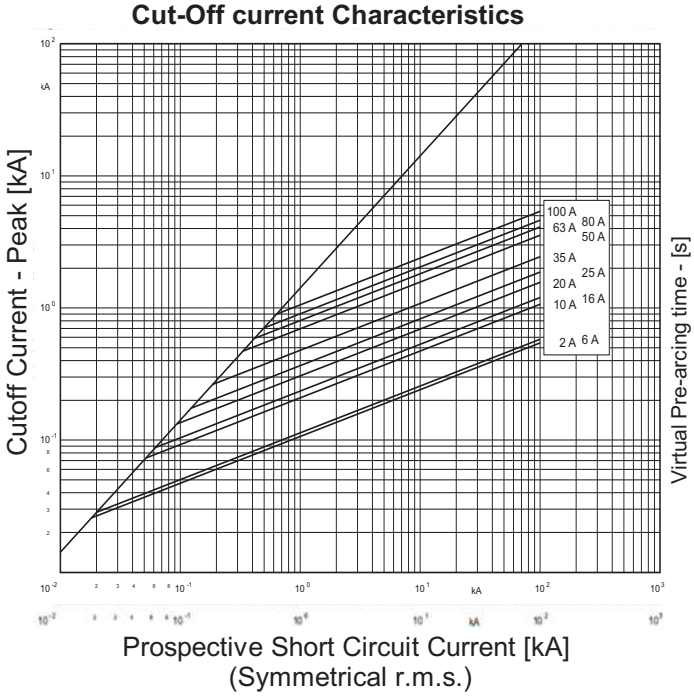
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2					2.5	1	1.5	3.5
6	1002707.6				3.3	4	6	10
10	1002707.10				4.3	10	15	25
16	1002707.16				5.9	25	40	65
20		1002807.20			5	60	60	100
25		1002807.25			6	100	100	170
35		1002807.35			8	140	240	400
50		1002807.50			11	420	900	1 500
63		1002807.63			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	Units per Package	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

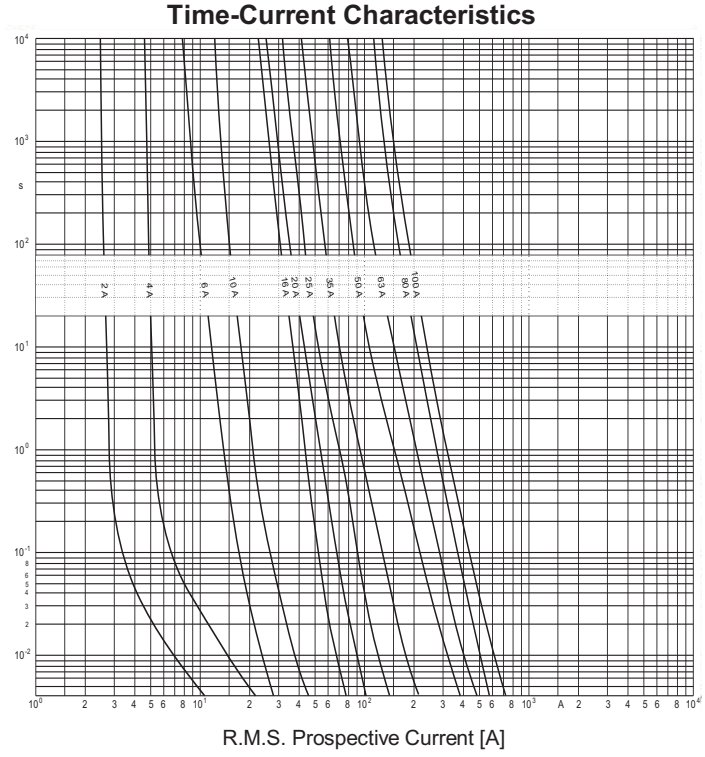
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