Low voltage fuse-links

Fuse-link D

Rated current	Fusing characteristics
2 - 200 A	**gG, TDZ, DZ**

D fuse-links for use by unskilled persons for domestic and similar applications are used as the most reliable protection of electrical installation, control and signal circuits against overload and short-circuit currents.
The whole system D contains a complete range of five physical sizes DI, DII, DIII, DIV and DV fuse-links, standard ceramic and new plastic fuse bases and all necessary accessories. It is dimensioned for rated voltages 500 V, 690 V, 750 V and 1200 V a.c. resp. 500 V or 600 V d.c. with AC 50 kA and DC 8 kA rated breaking capacity.
The system D is intended to be used in residential, business and similar buildings. When it is used in industrial installations, it is necessary to take into account the requirements of the standard IEC 60664-1 concerning the insulation coordination for equipment within low-voltage systems .
All fuse-links have blown-fuse indicators which are visible through the Screw cap when mounted. Fuse-links, fuse bases, caps and fuse-disconnectors are tested and certified according to IEC 60269-3-1, DIN EN 60269-3, DIN VDE 0636-301, HD 630.3.1 and DIN EN 60269-1.

DI for fuse base E 16

I_n [A]	Colour	Code No. DZ*	Code No. gG, TDZ*	Weight [g]	Packaging [pcs]
2	pink	002311101	002311401	12	10/500
4	brown	002311102	002311402	12	10/500
6	green	002311103	002311403	12	10/500
10	red	002311104	002311404	13	10/500
16	grey	002311105	002311405	14	10/500
20	blue	002311106	002311406	15	10/500
25	yellow	002311107	002311407	16	10/500

DII for fuse base E 27

I_n [A]	Colour	Code No. DZ*	Code No. gG, TDZ*	Weight [g]	Packaging [pcs]
2	pink	002312101	002312401	27	5/500
4	brown	002312102	002312402	27	5/500
6	green	002312103	002312403	27	5/500
10	red	002312104	002312404	27	5/500
13	black		002312409	27	5/500
16	grey	002312105	002312405	28	5/500
20	blue	002312106	002312406	29	5/500
25	yellow	002312107	002312407	30	5/500

DIII for fuse base E 33

I_n [A]	Colour	Code No. DZ*	Code No. gG, TDZ*	Weight [g]	Packaging [pcs]
32	black		002313404	48	5/250
35	black	002313101	002313401	48	5/250
40	black		002313405	48	5/250
50	white	002313102	002313402	49	5/250
63	copper	002313103	002313403	52	5/250

* DZ and TDZ time-current characteristics correspond to standard CEE16 from 1970 as date of issue. DZ refers to a "fast" or in German "flink" fuse, in the meantime TDZ refers to a "slow" or in German "Traege" fuse.
In accordance with the development of standards, TDZ time-current characteristics were uniformed with gG time-current characteristic according to IEC 60269-2 and VDE 0636-301, so now both characteristics are unified and their meaning stays the same - "slow" means TDZ and gG at the same time.
DZ time-current characteristics remain unchanged. It is faster than TDZ, but in any case DZ characteristics should not be compared with gR or aR time-current characteristis which are designed for power semiconductor protection.

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DIII AC 690V, DC 600V

I_n [A]	Colour	Code No. gG	Weight [g]	Packaging [pcs]
2	pink	002313501	68	5/200
4	brown	002313502	68	5/200
6	green	002313503	68	5/200
10	red	002313504	69	5/200
16	grey	002313505	69	5/200
20	blue	002313506	71	5/200
25	yellow	002313507	72	5/200
35	black	002313508	78	5/200
50	white	002313509	80	5/200
63	copper	002313510	80	5/200

DIII 750V gF

I_n [A]	Colour	Code No. gF	Weight [g]	Packaging [pcs]
2	pink	002313601	68	5/200
4	brown	002313602	68	5/200
6	green	002313603	68	5/200
10	red	002313604	69	5/200
16	grey	002313605	69	5/200
20	blue	002313606	71	5/200
25	yellow	002313607	72	5/200
35	black	002313608	78	5/200
50	white	002313609	80	5/200
63	copper	002313610	80	5/200

DIII AC 1200V 3-channel gF

I_n [A]	Colour	Code No. gF	Weight [g]	Packaging [pcs]
2	pink	002313620	68	5/200
4	brown	002313621	68	5/200
6	green	002313622	68	5/200
10	red	002313623	69	5/200
16	grey	002313624	69	5/200
20	blue	002313625	71	5/200
25	yellow	002313626	72	5/200
35	black	002313627	78	5/200

DIV for fuse base R1 1/4"

I_n [A]	Colour	Code No. DZ*	Code No. gG, TDZ*	Weight [g]	Packaging [pcs]
80	silver	002314101	002314401	105	3/48
100	red	002314102	002314402	110	3/48

DV for fuse base R 2"

I_n [A]	Colour	Code No. DZ*	Code No. gG, TDZ*	Weight [g]	Packaging [pcs]
125	yellow	002315101	002315401	185	10/60
160	copper	002315102	002315402	210	10/60
200	blue	002315103	002315403	215	10/60

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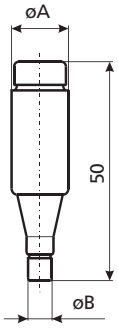
Fuse-link D

Technical data		
Rated voltage U_n	500 V AC, 600 V AC, 750 V AC, 1200 V AC, 400 V DC	
Rated current I_n	DI, DII 2 - 25 A, DIII 32 - 63 A DIV 80 - 100 A, DV 125 - 200 A	
Breaking capacity at 1,1 U_n	50 kA AC 8 kA DC	cosϕ =0,2 T=15 ms
Fusing characteristics	gG, TDZ, DZ	
Insulating class	C - VDE 0110	
Standards	DIN EN 60269-1, IEC 60269-1:2005-04 (VDE 0636 Teil 10): 1999-11	
	DIN EN 60269-3, IEC 60269-3:2003 (VDE 0636 Teil 30): 1995-12	
	DIN EN 60269-3-1, IEC 60269-3-1: 2004-07	
	(VDE 0636 Teil 301): 1998-01	
	DIN VDE 0635/02.84	

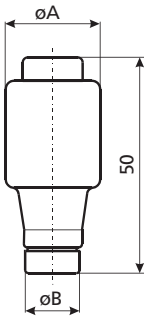
DI for fuse base E 16

I_n [A]	dimension ØA	ØB
2	13,2	6
4	13,2	6
6	13,2	6
10	13,2	8
16	13,2	10
20	13,2	12
25	13,2	14



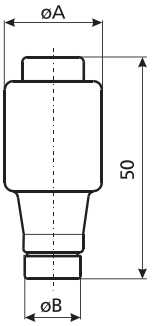
DII for fuse base E 27

I_n [A]	dimension ØA	ØB
2	21,5	6
4	21,5	6
6	21,5	6
10	21,5	8
13	21,5	8
16	21,5	10
20	21,5	12
25	21,5	14



DIII for fuse base E 33

I_n [A]	dimension ØA	ØB
32	27	16
35	27	16
40	27	16
50	27	18
63	27	20

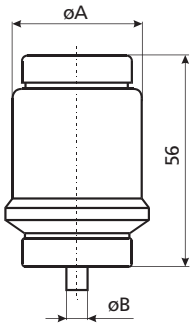


DIV for fuse base R1 1/4"

I_n [A]	dimension ØA	ØB
80	33	5
100	33	7

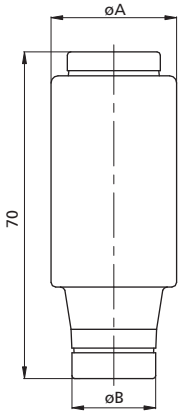
DV for fuse base R 2"

I_n [A]	dimension ØA	ØB
125	46	5
160	46	7
200	46	9



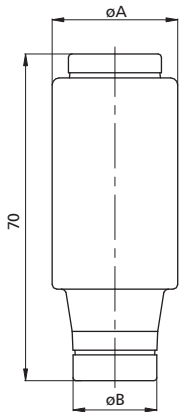
DIII gG, 690 V a.c., 600 V d.c.

I_n [A]	dimension ØA	ØB
2	27	6
4	27	6
6	27	6
10	27	8
16	27	10
20	27	12
25	27	14
35	27	16
50	27	18
63	27	20



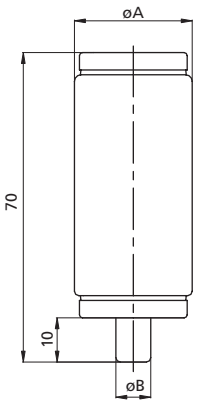
DIII gF, 750V a.c.

I_n [A]	dimension ØA	ØB
2	27	6
4	27	6
6	27	6
10	27	8
16	27	10
20	27	12
25	27	14
35	27	16

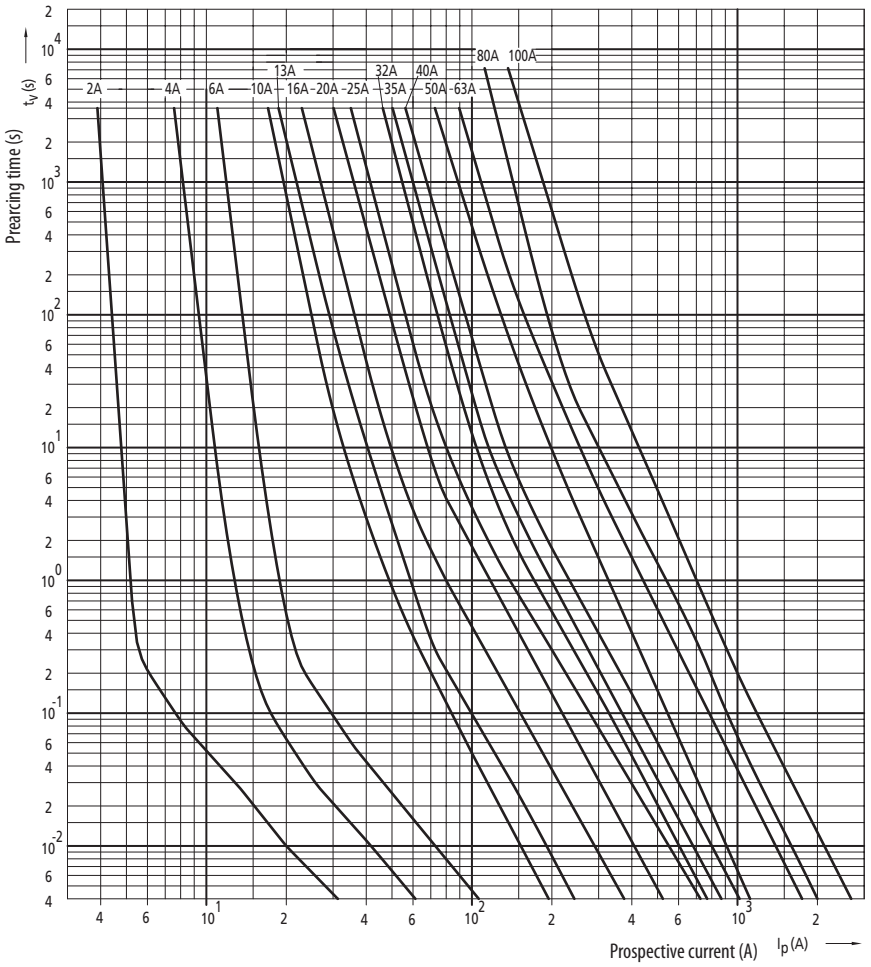


DIII gF, 1200 V a.c.

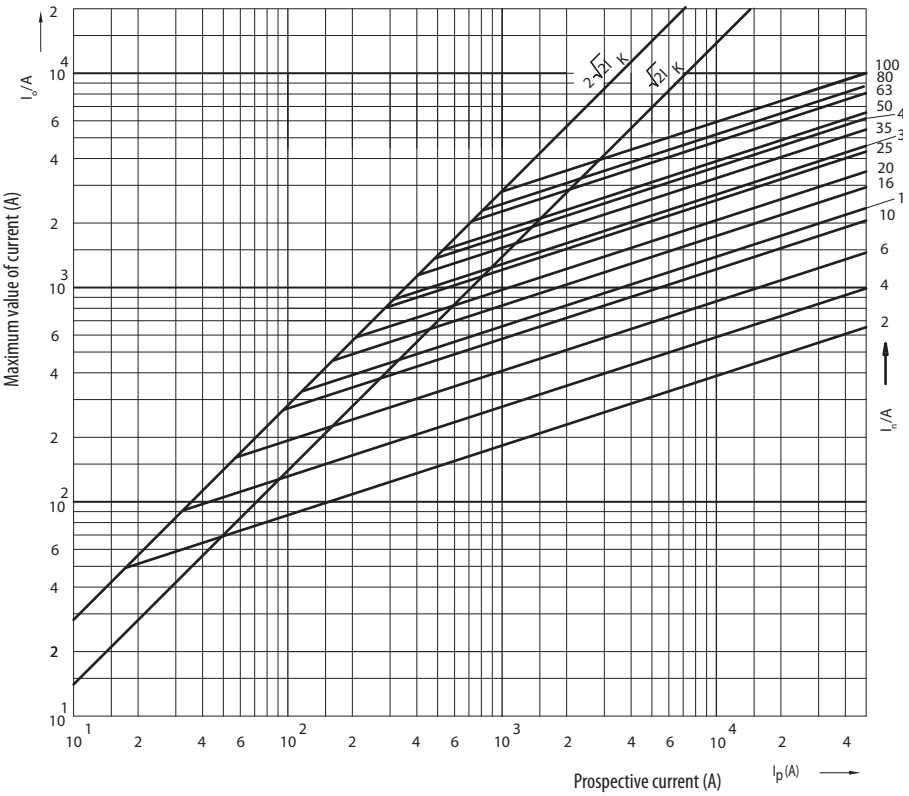
I_n [A]	dimension ØA	ØB
2	27	6
4	27	6
6	27	6
10	27	8
16	27	10
20	27	12
25	27	14
35	27	16



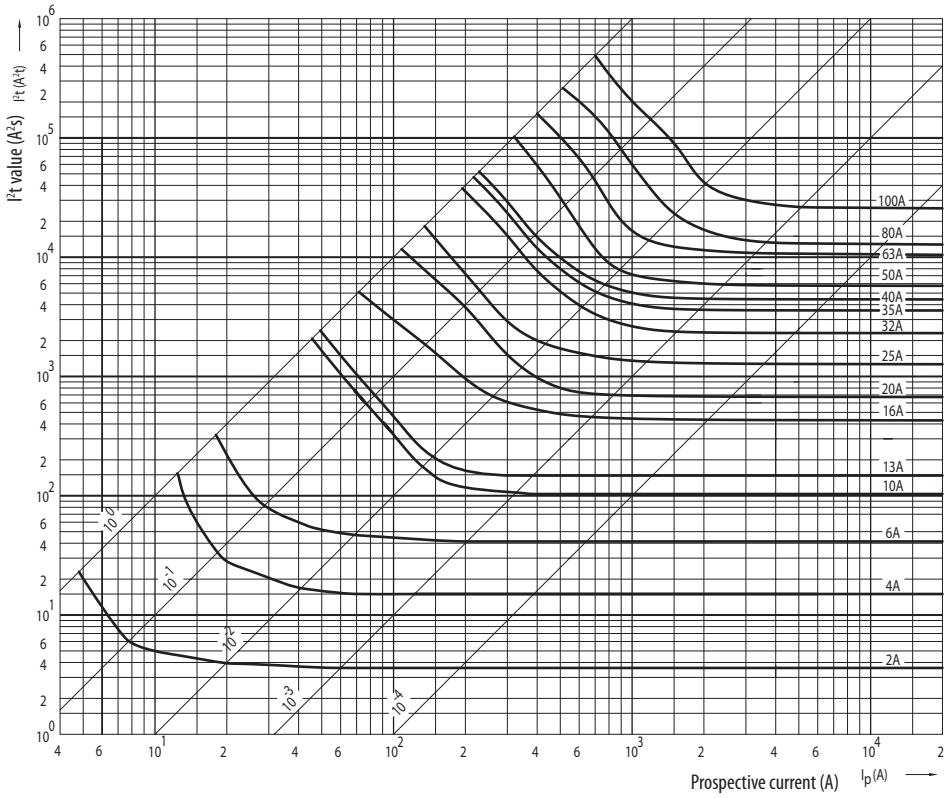
Time current characteristics I/t, gG



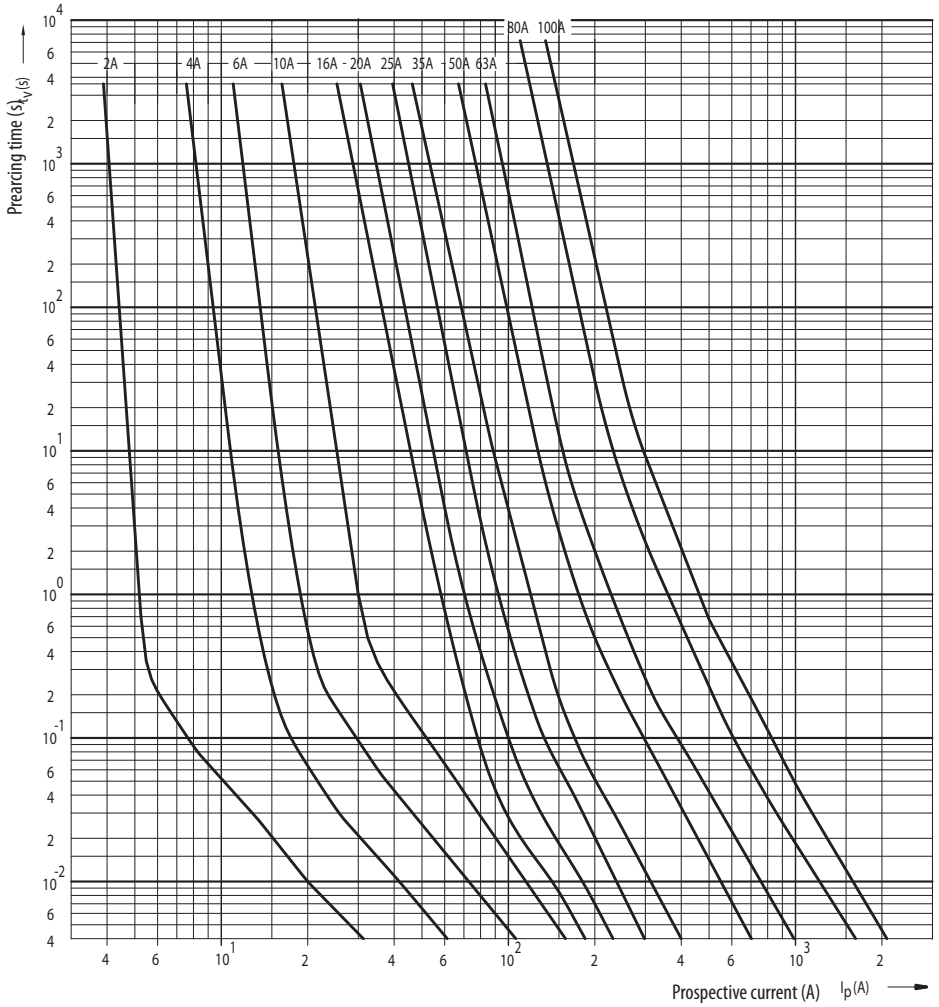
Cut-off current characteristics



Melting energy characteristics I^2t



Time current characteristics I/t DZ



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