Fuse-link D

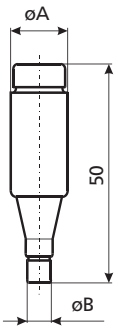
D fuse-links for use by unskilled persons for domestic and similar applications are used as the most reliable protection of electrical installation, control and signal circuits against overload and short-circuit currents.
The whole system D contains a complete range of five physical sizes DI, DII, DIII, 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.

* 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.

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	

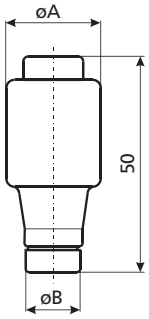
DI for fuse base E 16

I_n [A]	dimension ØA	dimension 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



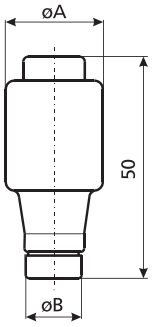
DII for fuse base E 27

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

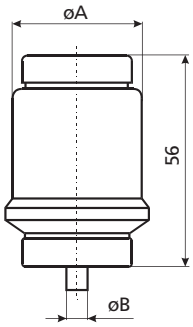


DIV for fuse base R1 1/4"

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

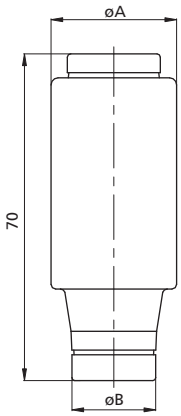
DV for fuse base R 2"

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



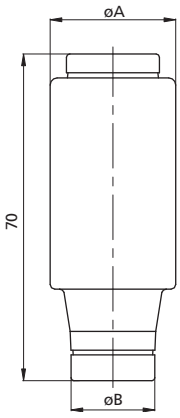
DIII gG, 690 V a.c., 600 V d.c.

I_n [A]	dimension ØA	dimension 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



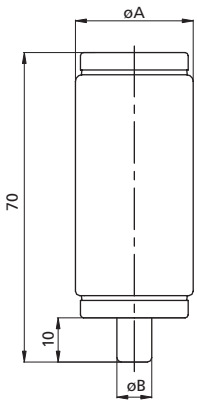
DIII gF, 750V a.c.

I_n [A]	dimension ØA	dimension 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

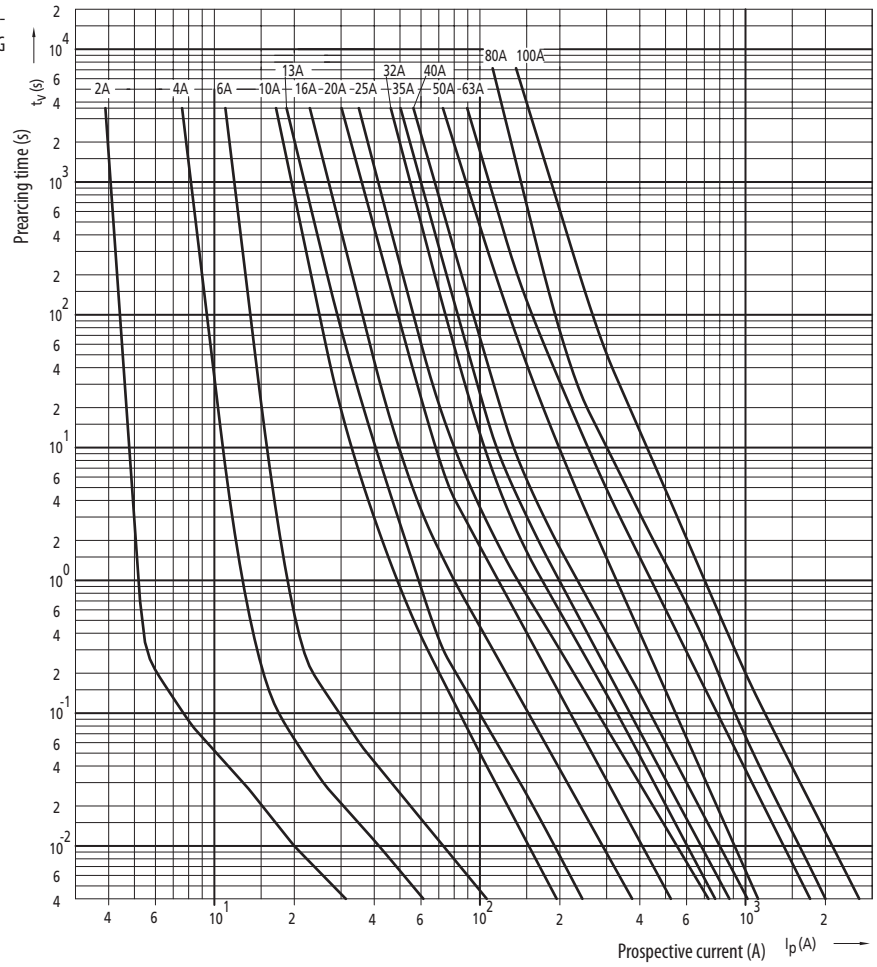


DIII gF, 1200 V a.c.

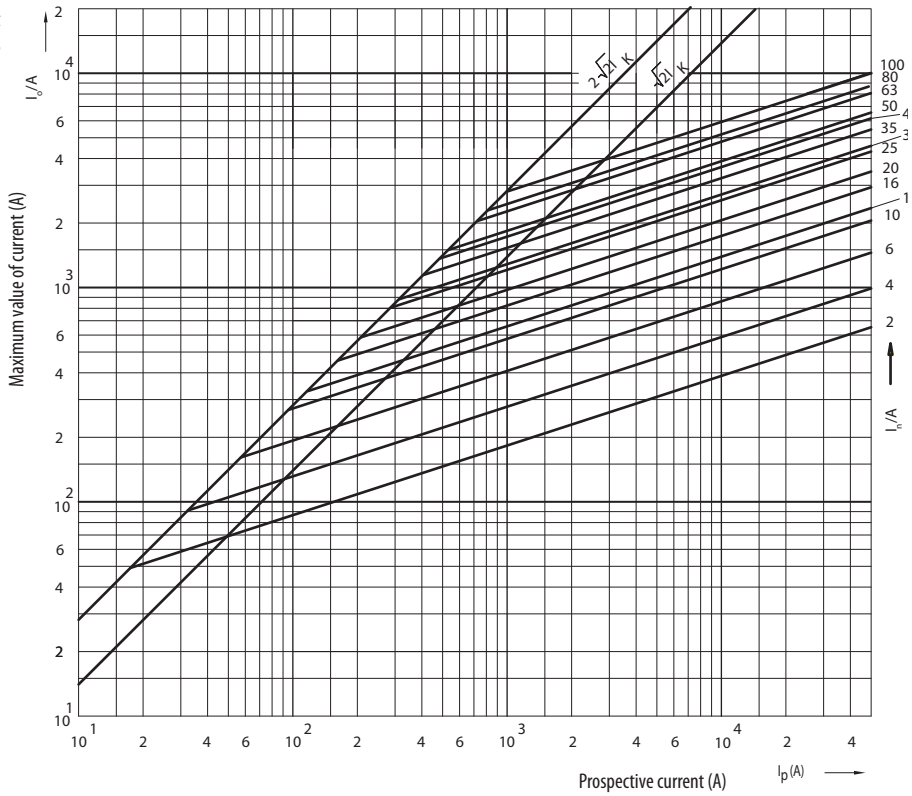
I_n [A]	dimension ØA	dimension ØB
2	27	6
4	27	6
6	27	6
10	27	8
16	27	10
20	27	12
25	27	14
35	27	16



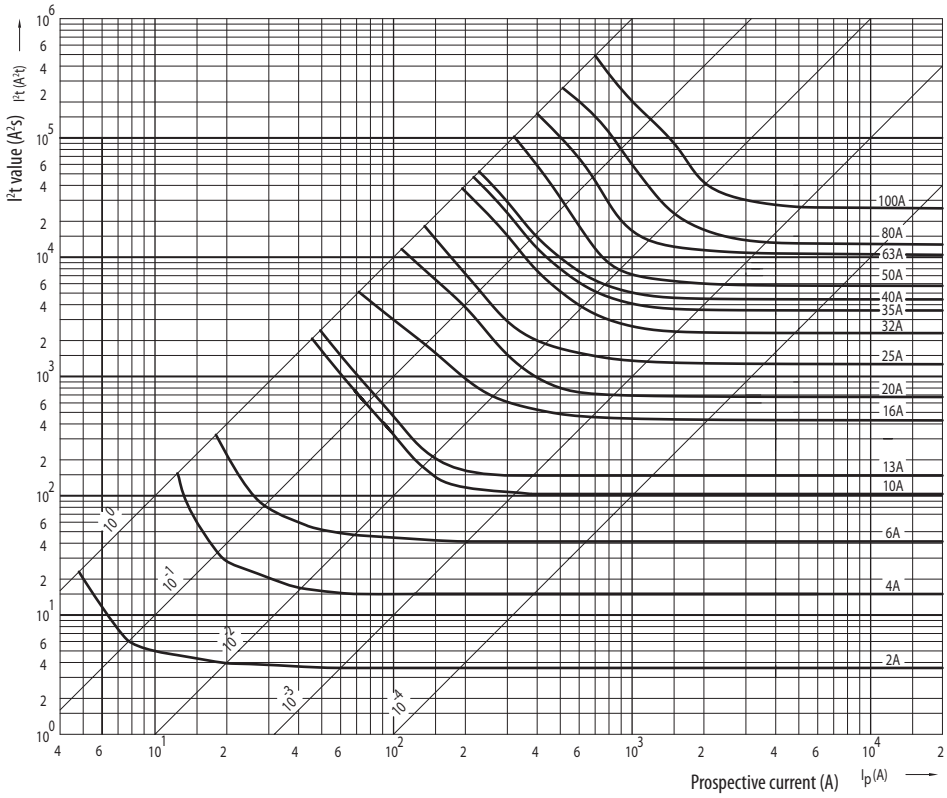
Time current characteristics I/t, gG



Cut-off current characteristics



Melting energy characteristics $I^2 t$



Time current characteristics I/t DZ