

# Low Voltage Fuse Links



## D Series



DI

DII

DIII

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 three physical sizes DI, DII and DIII fuse-links, standard ceramic and new plastic fuse bases and all necessary accessories. It is dimensioned for rated voltages 500V, 690V, 750V and 1200 V ac respectively 500V or 600 V dc 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, fusebases, 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.

### Specifications:

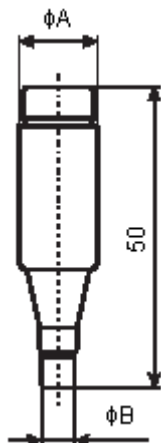
Rated current : 2 to 100A.  
Fusing characteristics : gG and TDZ.

### Technical data

Rated voltage $U_n$	500V ac, 400V dc
Rated current $I_n$	DI, DII: 2 - 25A, DIII: 32 - 63A
Breaking capacity at $1,1 U_n$	50kA ac $\cos \phi = 0,2$
	8kA dc T = 15ms
Fusing characteristics	gG and TDZ
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

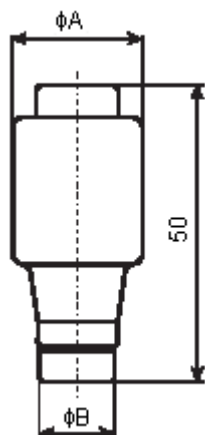
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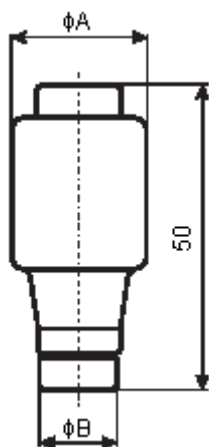
**D I for fuse base E 16**

Dimensions : Millimetres



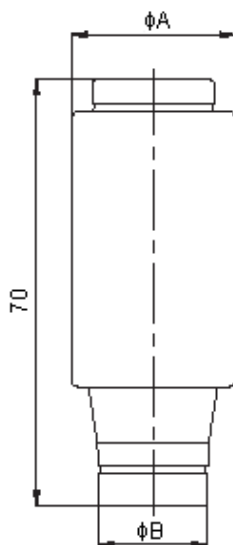
**D II for fuse base E 27**

Dimensions : Millimetres



**D III for fuse base E 33**

Dimensions : Millimetres



**D III gG, 690V ac, 600V dc**

Dimensions : Millimetres

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### Specification Table

Description	Type	Colour	I <sub>n</sub> (A)	Dimension		Part Number
				φA	φB	
Fuse, Bottle, GL	DI for Fuse Base E 16	Pink	2	13.2	6	2311401
		Brown	4			2311402
		Green	6			2311403
		Red	10			2311404
		Grey	16			2311405
		Blue	20			2311406
		Yellow	25			2311407
	DII for fuse base E 27	Pink	2	21.5	6	2311401
		Brown	4			2311402
		Green	6			2311403
		Red	10			2311404
		Grey	16			2311405
		Blue	20			2311406
		Yellow	25			2311407
	DIII for fuse base E 33	Black	35	27	16	2311401
		White	50			2311402
		Copper	63			2311403

Dimensions : Millimetres

TDZ time-current characteristics correspond to standard CEE16 from 1970 as date of issue 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.

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