

# D fuse-links gG

500 to 690VAC/500VDC

## LOW VOLTAGE IEC FUSES

### DIN LV FUSE-LINKS D



The D fuse-system is the first generation of screw fuse-system in the German DIN standard. It is still used in many installations.

Applications are low voltage distribution units, where non trained persons are allowed to change the fuse-links.

The D fuse range comprises the sizes NDZ, DII, DIII, DIV, DV.

The range of applications for D fuse-links is the protection of cables and power lines. They limit and cut-off unacceptable overcurrents and short circuit currents up to their nominal breaking capacity. D fuse-links “gG” also protect equipments and installations against dynamic effects of high short circuit currents.

## TECHNICAL DATA OVERVIEW

Voltage Range AC	500 ... 690 VAC
Voltage DC	500 VDC
Ampere Range (A)	2 ... 200 A
Speed/Characteristic	gG
I.R. AC (IEC)	50 kA
Product Size	NDZ to DV

## FEATURES & BENEFITS

- Insulated body suitable for high mechanical and thermal impacts
- Top and bottom contacts made of nickel plated copper alloy
- Safe cut-off short circuits and over currents due to special design of fuse element
- Clear indication of operation condition due to coloured indicator on top contact
- Low power dissipation
- Optimized size
- Resistant to aging
- Free of lead, cadmium, mercury, chrome 6 (rohs conformity)

## APPLICATIONS

- House incoming units
- Meter distribution units
- Distribution cabinets
- Installation cabinets
- Fuse boxes

## STANDARDS

- DIN VDE 0636-301



# D fuse-links gG

500 to 690VAC/500VDC

## PRODUCT RANGE

### Size NDZ gG



NDZGG50V16

Catalog number	Item number	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Rated current I <sub>n</sub>	Colour	Package	Weight
NDZGG50V2	W212539	500 V	500 V	2 A	pink	25	13.3 g
NDZGG50V4	G213055	500 V	500 V	4 A	brown	25	13.3 g
NDZGG50V6	C213557	500 V	500 V	6 A	green	25	13.3 g
NDZGG50V10	B214062	500 V	500 V	10 A	red	25	13.3 g
NDZGG50V16	J214575	500 V	500 V	16 A	grey	25	13.3 g
NDZGG50V20	Q215087	500 V	500 V	20 A	blue	25	13.3 g
NDZGG50V25	Q215593	500 V	500 V	25 A	yellow	25	13.3 g

### Size DII gG



DIIIGG50V6

Catalog number	Item number	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Rated current I <sub>n</sub>	Colour	Power dissipation at I <sub>n</sub>	Package	Weight
DIIIGG50V2	Z219718	500 V	500 V	2 A	pink	2.1 W	25	26.8 g
DIIIGG50V4	G222163	500 V	500 V	4 A	brown	2 W	25	26.8 g
DIIIGG50V6	B222917	500 V	500 V	6 A	green	1.2 W	25	26.8 g
DIIIGG50V10	K200707	500 V	500 V	10 A	red	1.6 W	25	26.8 g
DIIIGG50V16	K201765	500 V	500 V	16 A	grey	2.4 W	25	26.8 g
DIIIGG50V20	A211508	500 V	500 V	20 A	blue	2.1 W	25	26.8 g
DIIIGG50V25	X212540	500 V	500 V	25 A	yellow	3.5 W	25	26.8 g

### Size DIII gG



DIIIIGG50V63

Catalog number	Item number	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Rated current I <sub>n</sub>	Colour	Power dissipation at I <sub>n</sub>	Package	Weight
DIIIIGG50V32	M229091	500 V	500 V	32 A	black	-	25	51.6 g
DIIIIGG50V35	C214063	500 V	500 V	35 A	black	3.7 W	25	51.6 g
DIIIIGG50V50	K214576	500 V	500 V	50 A	white	5.2 W	25	51.6 g
DIIIIGG50V63	R215088	500 V	500 V	63 A	copper	6 W	25	51.6 g

### Size DIII gG 690VAC



DIIIIGG69V2

Catalog number	Item number	Rated voltage AC (IEC)	Rated current I <sub>n</sub>	Colour	Power dissipation at I <sub>n</sub>	Package	Weight
DIIIIGG69V2	R215594	690 V	2 A	pink	-	25	73.58 g
DIIIIGG69V4	Z216107	690 V	4 A	brown	10 W	25	73.58 g
DIIIIGG69V6	W216610	690 V	6 A	green	12 W	25	73.58 g
DIIIIGG69V10	H217127	690 V	10 A	red	17 W	25	73.58 g
DIIIIGG69V16	N217638	690 V	16 A	grey	14 W	25	73.58 g
DIIIIGG69V20	W218151	690 V	20 A	blue	18 W	25	73.58 g
DIIIIGG69V25	H218668	690 V	25 A	yellow	20 W	25	73.58 g
DIIIIGG69V35	X219187	690 V	35 A	black	23 W	25	73.58 g
DIIIIGG69V50	A219719	690 V	50 A	white	36 W	25	73.58 g
DIIIIGG69V63	H222164	690 V	63 A	copper	55 W	25	73.58 g

# D fuse-links gG

500 to 690VAC/500VDC

## PRODUCT RANGE

### Size DIV gG



DIVGG50V80

Catalog number	Item number	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Rated current I <sub>n</sub>	Colour	Power dissipation at I <sub>n</sub>	Package	Weight
DIVGG50V80	V216609	500 V	500 V	80 A	silver	7.9 W	10	0.11 kg
DIVGG50V100	M217637	500 V	500 V	100 A	red	8.9 W	10	0.12 kg

### Size DV gG

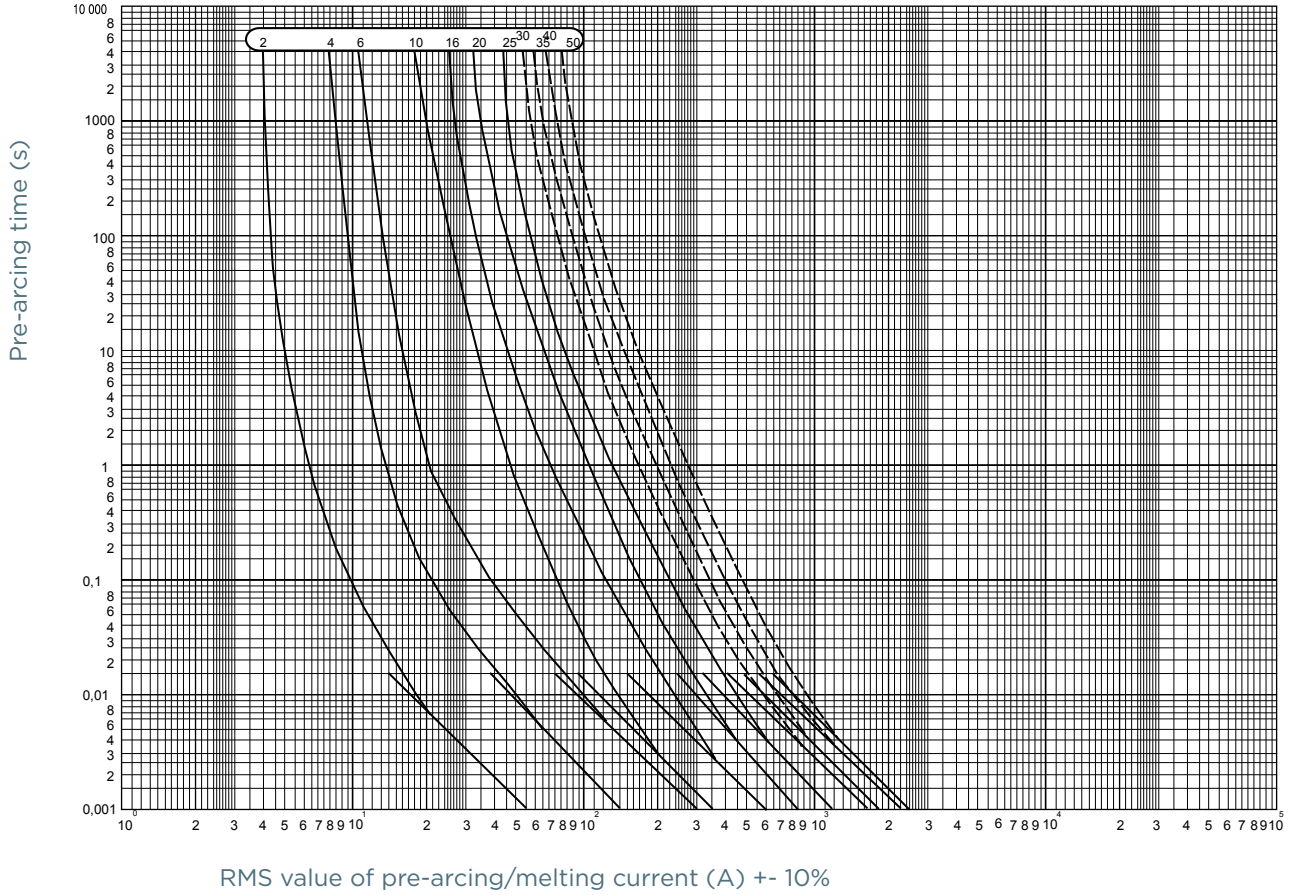


DVGG50V125

Catalog number	Item number	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Rated current I <sub>n</sub>	Colour	Power dissipation at I <sub>n</sub>	Package	Weight
DVGG50V125	V218150	500 V	500 V	125 A	yellow	10 W	5	0.20 kg
DVGG50V160	G218667	500 V	500 V	160 A	copper	16.5 W	5	0.20 kg
DVGG50V200	W219186	500 V	500 V	200 A	blue	18 W	5	0.20 kg

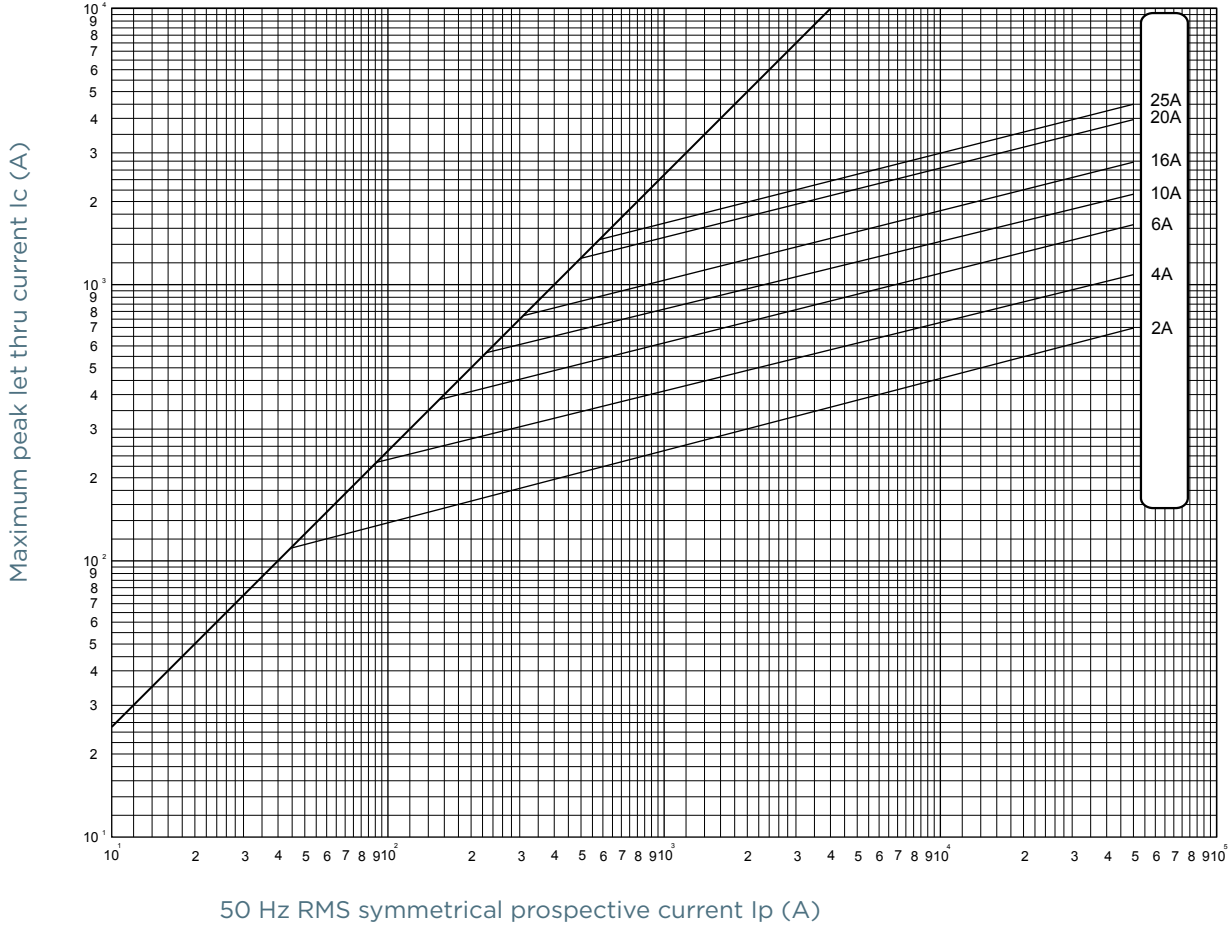
TIME CURRENT CHARACTERISTIC CURVES

NDZ 2A-50A



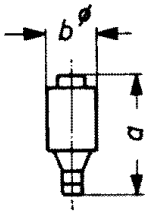
## CUT-OFF CURRENT CHARACTERISTIC

### NDZ 2A-25A



## DIMENSIONS

### D fuse-links



Size	a	bØ
NDZ	50	12
DII	50	22
DIII (500VAC)	50	27
DIV	63	37
DV	63	45
DIII (690VAC)	70	27

Dimensions in mm

# D fuse-links flink

500VAC/500VDC

## LOW VOLTAGE IEC FUSES

### DIN LV FUSE-LINKS D



The D fuse-system is the first generation of screw fuse-system in the German DIN standard. It is still used in many installations.

Applications are low voltage distribution units, where non-trained persons are allowed to change the fuse-links.

The D flink fuse range comprises the sizes NDZ, DII, DIII.

The range of applications for D flink fuse-links is the protection of equipments. The D flink fuse-links, not standardized by the IEC, are fast fuse-links whereas D gG fuse links are considered in comparison as slow fuse-links.

## TECHNICAL DATA OVERVIEW

Voltage AC	500 VAC
Voltage DC	500 VDC
Ampere Range (A)	2 ... 63 A
Product Size	NDZ, DII, DIII

## FEATURES & BENEFITS

- Insulated body suitable for high mechanical and thermal impacts
- Top and bottom contacts made of nickel plated copper alloy
- Safe cut-off short circuits and over currents due to special design of fuse element
- Clear indication of operation condition due to coloured indicator on top contact
- Low power dissipation
- Optimized size
- Resistant to aging
- Free of lead, cadmium, mercury, chrome 6 (rohs conformity)

## APPLICATIONS

- House incoming units
- Meter distribution units
- Distribution cabinets
- Installation cabinets
- Fuse boxes



# D fuse-links flink

500VAC/500VDC

## PRODUCT RANGE

### Size NDZ flink



NDZFK50V2

Catalog number	Item number	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Rated current I <sub>n</sub>	Colour	Package	Weight
NDZFK50V2	C222918	500 V	500 V	2 A	pink	25	12.9 g
NDZFK50V4	L200708	500 V	500 V	4 A	brown	25	12.9 g
NDZFK50V6	A201250	500 V	500 V	6 A	green	25	12.9 g
NDZFK50V10	L201766	500 V	500 V	10 A	red	25	12.9 g
NDZFK50V16	D207049	500 V	500 V	16 A	grey	25	12.9 g
NDZFK50V20	B211509	500 V	500 V	20 A	blue	25	12.9 g
NDZFK50V25	Y212541	500 V	500 V	25 A	yellow	25	12.9 g

### Size DII flink



DIIFK50V2

Catalog number	Item number	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Rated current I <sub>n</sub>	Colour	Package	Weight
DIIFK50V2	E213559	500 V	500 V	2 A	pink	25	26.8 g
DIIFK50V4	D214064	500 V	500 V	4 A	brown	25	26.8 g
DIIFK50V6	L214577	500 V	500 V	6 A	green	25	26.8 g
DIIFK50V10	S215089	500 V	500 V	10 A	red	25	26.8 g
DIIFK50V16	A216108	500 V	500 V	16 A	grey	25	26.8 g
DIIFK50V20	J217128	500 V	500 V	20 A	blue	25	26.8 g
DIIFK50V25	P217639	500 V	500 V	25 A	yellow	25	26.8 g

### Size DIII flink

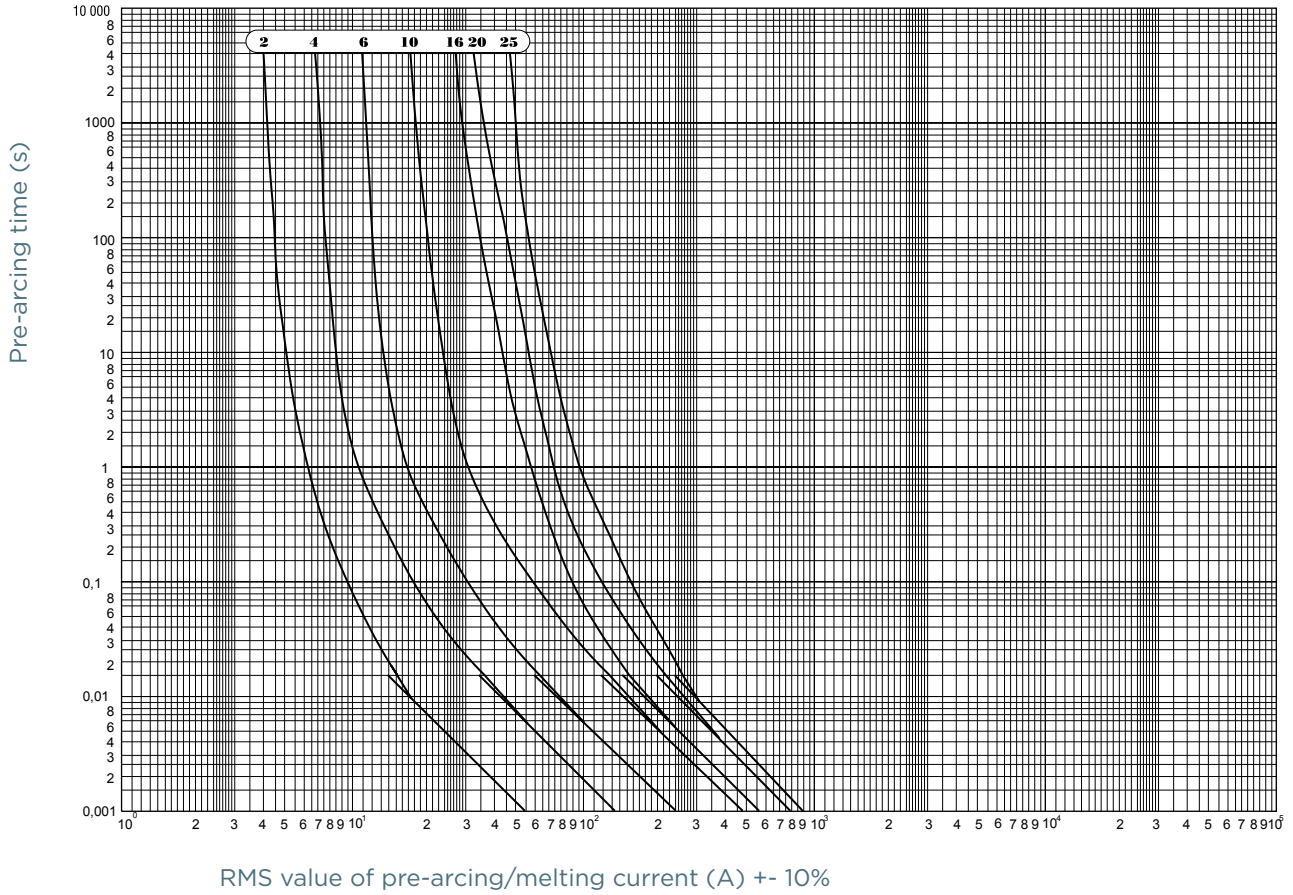


DIIIFK50V35

Catalog number	Item number	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Rated current I <sub>n</sub>	Colour	Package	Weight
DIIIFK50V35	J218669	500 V	500 V	35 A	black	25	52.8 g
DIIIFK50V50	J222165	500 V	500 V	50 A	white	25	52.8 g
DIIIFK50V63	M200709	500 V	500 V	63 A	copper	25	52.8 g

## TIME CURRENT CHARACTERISTIC CURVES

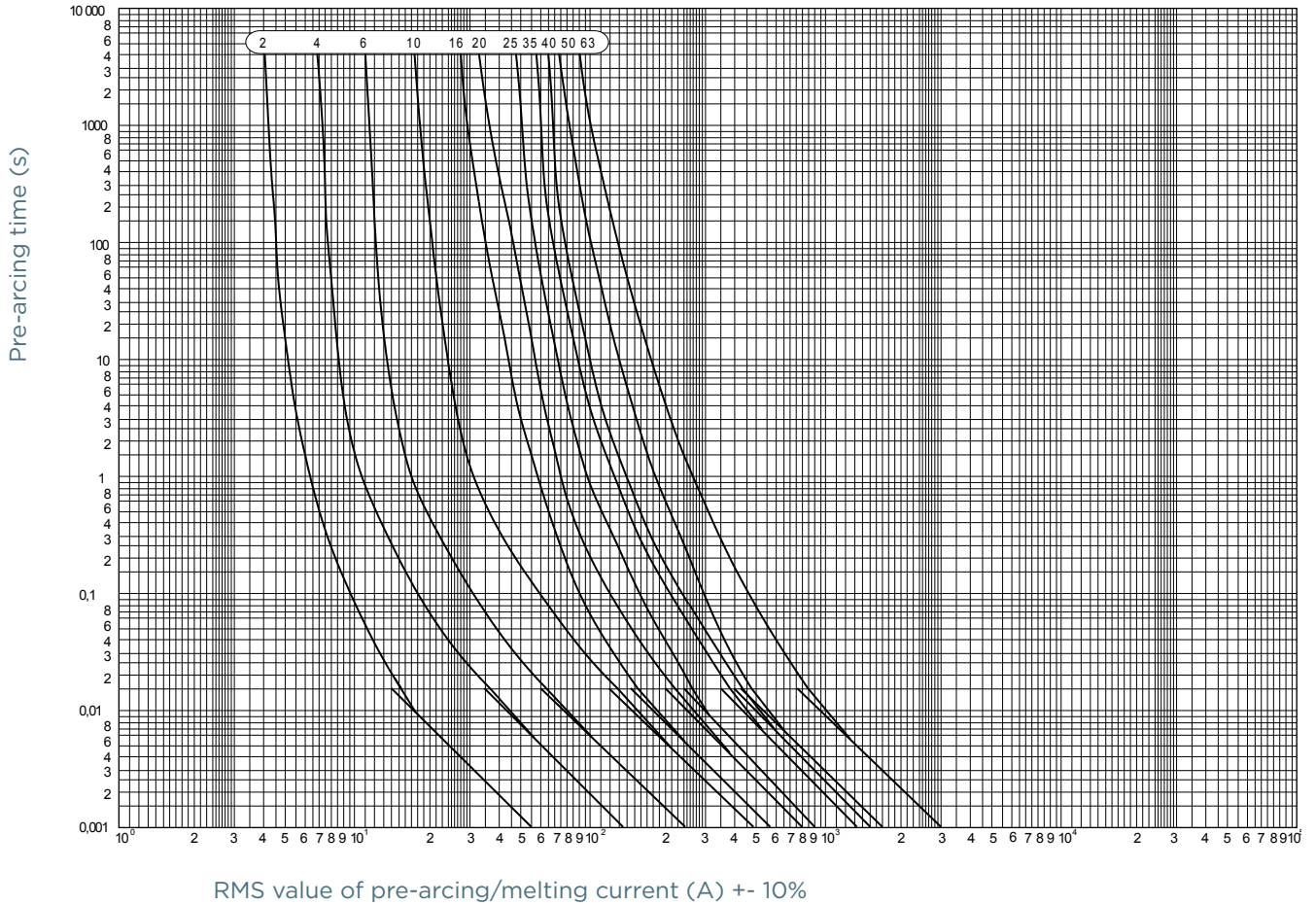
### NDZ flink 2-25A





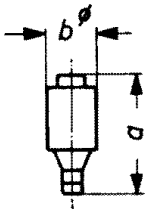
## TIME CURRENT CHARACTERISTIC CURVES

### DII-DIII flink 2-63A



## DIMENSIONS

### D fuse-links



Size	a	bØ
NDZ	50	12
DII	50	22
DIII	50	27

Dimensions in mm