

RECTICUR D & D0 gR

500VAC / 440VDC & 440VAC (IEC)

IEC High-Speed D & D0 Fuse-Links AC-DC Protection

The D fuse-system is the first generation of screw fuse-systems in the German DIN standard. It is still used in many installations. This D system comprises the sizes DII, DIII, DIV, DV.

The D0 fuse-system is the most modern of the screw systems in the German DIN standard. This system comprises the sizes D01, D02 and D03.

Those D & D0 ultra-fast acting "gR" ranges are dedicated to semi-conductor protection, in applications where fuse-links are accessible to non-trained persons and can also be changed by them.

They are used for the protection of components such as diodes, thyristors or AC/DC motor drives. The "R" stands for the English word Rectifier. D & D0 fuse-links are available at the rated current range from 2A up to 200A.

Features & Benefits

- Insulated body suitable for high mechanical and thermal impacts
- Top and bottom contacts made of nickel-plated/silver-plated copper alloy
- Safe cut off short circuits and over currents due special design of fuse element
- Clear indication of operation condition due coloured indicator on top contact
- Low power dissipation
- Optimized size
- Resistant to aging

Technical data overview

Voltage	440 - 500 VAC 440 VDC
Ampere Range (A)	2 ... 200 A
Size per Standard	DII, DIII, DIV, DV & D01, D02, D03
Speed/Characteristic	gR
I.R. AC (kA)	100 kA
Product Size	D01 to D03 & DII to DV



Standards

IEC 60 269-4

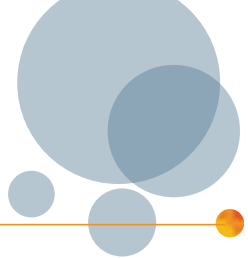
DIN EN 60269-4 (VDE 0636-4)

DIN VDE 0636-3



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Product range

NEOZED RECTICUR IEC DIN TYPE D 01

Catalog number	Reference number	Rated voltage AC (IEC)	Rated current I _n	Pre-arcing I ² t	Rated breaking capacity AC	Power dissipation at I _n	Operating I ² t at Rated Voltage	Weight	Package
D01GR44V2	M215038	440 V	2 A	3 A ² s	100 kA	1.5 W	3 A ² s	7 g	50
D01GR44V4	N218673	440 V	4 A	4 A ² s	100 kA	2 W	5 A ² s	7 g	50
D01GR44V6	B219191	440 V	6 A	5 A ² s	100 kA	2.3 W	10 A ² s	7 g	50
D01GR44V10	F219724	440 V	10 A	12 A ² s	100 kA	2.2 W	25 A ² s	7 g	50
D01GR44V16	N222169	440 V	16 A	40 A ² s	100 kA	3.3 W	75 A ² s	7 g	50

NEOZED RECTICUR IEC DIN TYPE D 02

Catalog number	Reference number	Rated voltage AC (IEC)	Rated current I _n	Pre-arcing I ² t	Rated breaking capacity AC	Power dissipation at I _n	Operating I ² t at Rated Voltage	Weight	Package
D02GR44V20	H222923	440 V	20 A	60 A ² s	100 kA	4.3 W	110 A ² s	13 g	25
D02GR44V25	R200713	440 V	25 A	90 A ² s	100 kA	6 W	180 A ² s	13 g	25
D02GR44V35	F201255	440 V	35 A	210 A ² s	100 kA	8.4 W	410 A ² s	13 g	25
D02GR44V50	R201771	440 V	50 A	830 A ² s	100 kA	10 W	1650 A ² s	13 g	25
D02GR44V63	Y207113	440 V	63 A	1300 A ² s	100 kA	13.9 W	2500 A ² s	13 g	25

NEOZED RECTICUR IEC DIN TYPE D 03

Catalog number	Reference number	Rated voltage AC (IEC)	Rated current I _n	Pre-arcing I ² t	Rated breaking capacity AC	Power dissipation at I _n	Operating I ² t at Rated Voltage	Weight	Package
D03GR44V80	G211514	440 V	80 A	2100 A ² s	100 kA	17.6 W	4300 A ² s	40 g	10
D03GR44V100	L212024	440 V	100 A	3300 A ² s	100 kA	21 W	6600 A ² s	40 g	10

RECTICUR IEC DIN TYPE D II

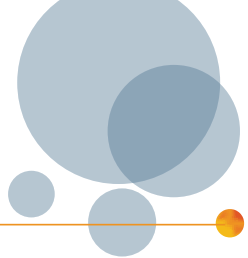
Catalog number	Reference number	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Rated current I _n	Pre-arcing I ² t	Rated breaking capacity AC	Power dissipation at I _n	Operating I ² t at Rated Voltage	Weight	Package
DIIGR50V2	Z212542	500 V	440 V	2 A	1 A ² s	100 kA	1.8 W	3 A ² s	30 g	5
DIIGR50V4	K213058	500 V	440 V	4 A	2 A ² s	100 kA	3.1 W	5 A ² s	30 g	5
DIIGR50V6	E214065	500 V	440 V	6 A	4 A ² s	100 kA	3.2 W	9 A ² s	30 g	5
DIIGR50V10	M214578	500 V	440 V	10 A	10 A ² s	100 kA	5 W	20 A ² s	30 g	5
DIIGR50V16	T215090	500 V	440 V	16 A	26 A ² s	100 kA	5.8 W	55 A ² s	30 g	5
DIIGR50V20	T215596	500 V	440 V	20 A	40 A ² s	100 kA	7 W	85 A ² s	30 g	5
DIIGR50V25	B216109	500 V	440 V	25 A	95 A ² s	100 kA	8.2 W	200 A ² s	30 g	5
DIIGR50V30	Y216612	500 V	440 V	30 A	100 A ² s	100 kA	8.7 W	235 A ² s	30 g	5

RECTICUR IEC DIN TYPE D III

Catalog number	Reference number	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Rated current I _n	Pre-arcing I ² t	Rated breaking capacity AC	Power dissipation at I _n	Operating I ² t at Rated Voltage	Weight	Package
DIIGR50V35	K217129	500 V	440 V	35 A	490 A ² s	100 kA	9.2 W	1100 A ² s	50 g	5
DIIGR50V50	Q217640	500 V	440 V	50 A	900 A ² s	100 kA	10 W	2050 A ² s	50 g	5
DIIGR50V63	Y218153	500 V	440 V	63 A	1580 A ² s	100 kA	14 W	3200 A ² s	50 g	5

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Product range

RECTICUR IEC DIN TYPE D IV

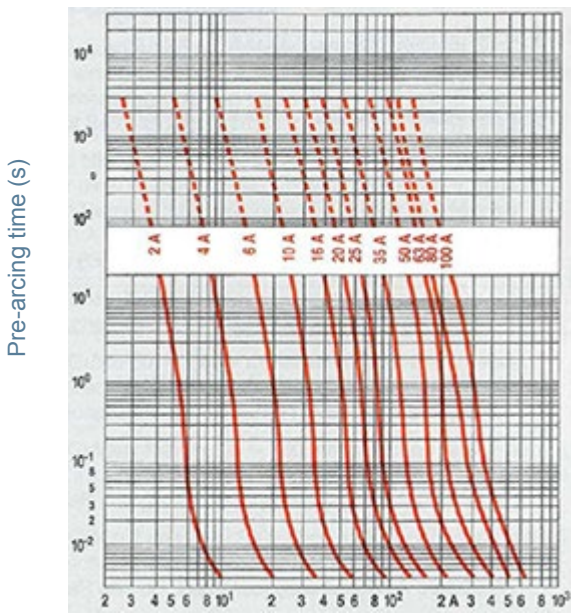
Catalog number	Reference number	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Rated current I_n	Pre-arcing I^2t	Rated breaking capacity AC	Power dissipation at I_n	Operating I^2t at Rated Voltage	Weight	Package
DIVGR50V80	B201251	500 V	440 V	80 A	3200 A ² s	100 kA	18 W	7300 A ² s	110 g	5
DIVGR50V100	M201767	500 V	440 V	100 A	5600 A ² s	100 kA	22 W	14000 A ² s	110 g	5

RECTICUR IEC DIN TYPE D V

Catalog number	Reference number	Rated voltage AC (IEC)	Rated voltage DC (IEC)	Rated current I_n	Pre-arcing I^2t	Rated breaking capacity AC	Power dissipation at I_n	Operating I^2t at Rated Voltage	Weight	Package
DVGR50V125	J207054	500 V	440 V	125 A	5800 A ² s	100 kA	26 W	15000 A ² s	210 g	5
DVGR50V160	C211510	500 V	440 V	160 A	6100 A ² s	100 kA	30 W	16000 A ² s	210 g	5
DVGR50V200	G212020	500 V	440 V	200 A	7200 A ² s	100 kA	37 W	21000 A ² s	210 g	5

Time current characteristic curves

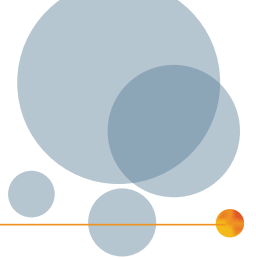
RECTICUR D01 D02 D03



RMS value of prospective current (A) +/- 8%

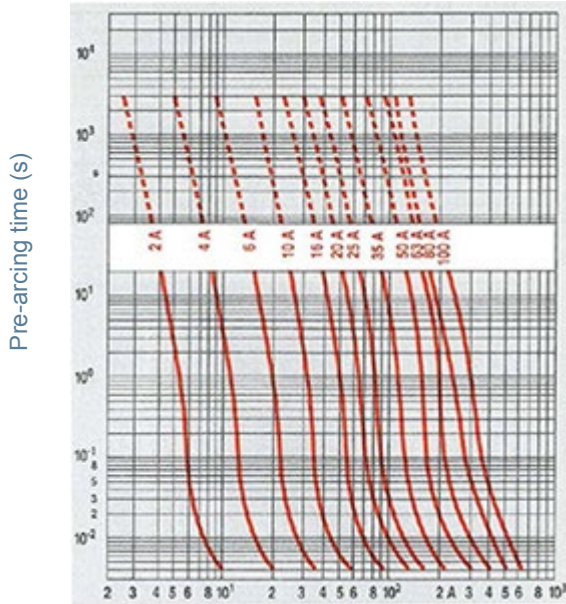
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Time current characteristic curves

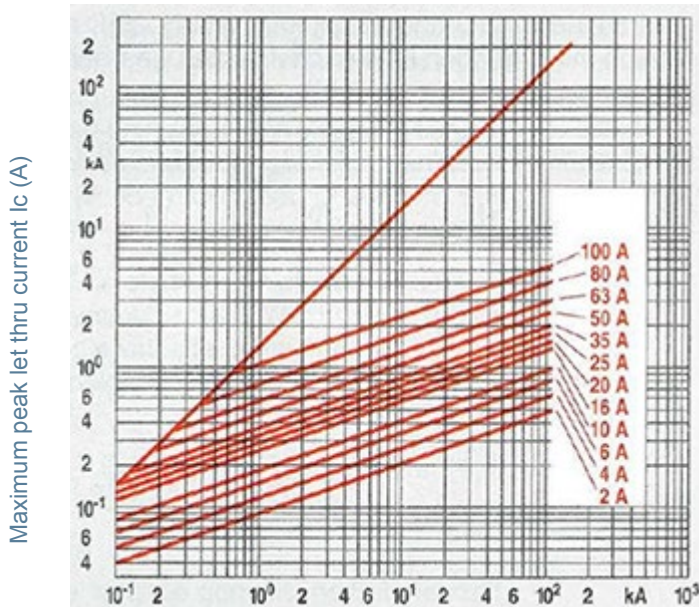
RECTICUR DII DIII DIV DV



RMS value of prospective current (A) +/- 8%

Cut-off current characteristic

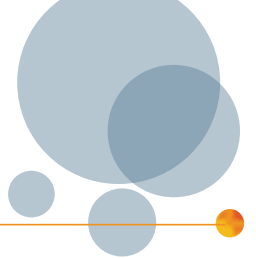
RECTICUR D01 D02 D03



50 Hz RMS symmetrical prospective current I_p (A)

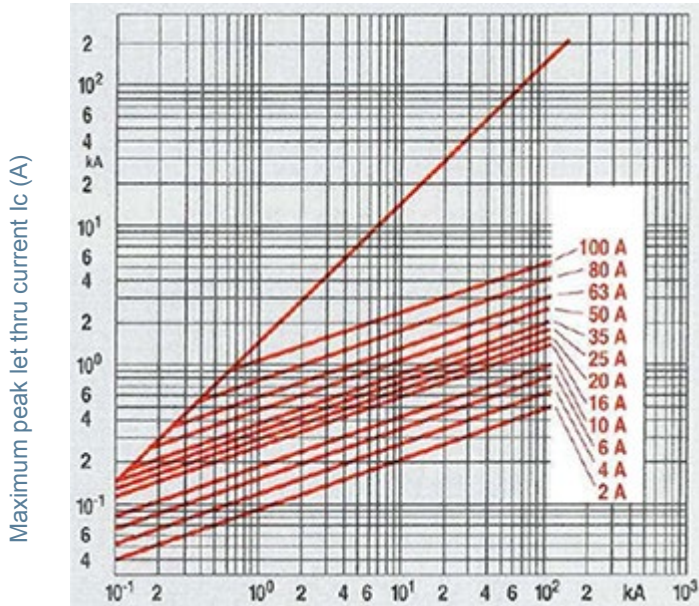
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Cut-off current characteristic

RECTICUR DII DIII DIV DV



50 Hz RMS symmetrical prospective current I_p (A)

Dimensions

Size (mm)	a	b ø
D01	36	11
D02	36	15,3
D03	43	22,5

Size (mm)	a	b ø
DII	50	22
DIII	50	27
DIV	63	37
DV	63	45