DIN Recticur fuses
D0 - Type Gr Fuses (DIAZED)

RECTICUR - DO
Fuse links "ultra rapide"

Specifications : IEC 60 269-4
DIN-VDE 0636 Part 23 and Part 33
DIN 43653
DIN 49515
DIN 49522
DIN 43620

RECTICUR-type ultra-rapid fuses are used to protect semiconductor components in power converters. DO fuse links have a rated voltage of 440 V AC and are available within the rated current range extending form 2 to 100A.

Technical Notes

RECTICUR fuse links are equipped with fuse elements made of fine silver. The number and shape of their reductions in cross-section ensure satisfactory disconnection and optimum operating characteristics.
The design of the fuse element determines the characteristic curve and the remaining electrical properties of this fuse link.
Fuse links with gR characteristic provide total protection against overloading and against short-circuit currents.

Breaking Capacity

The switching reliability of RECTICUR semiconductor fuses has been verified in numerous tests extending up to the highest short-circuit currents. Rated braking capacity is 160 kA (RMS) for DO fuse links.

RECTICUR DO Fuse links
RECTICUR DO fuse links can be fitted in all normal fuse-bases of the DO system, using all usual accessories such as screw-cap and adaptor sleeve.

Fitting of LINOCUR switch-disconnector-fuse with RECTICUR DO Fuse Links
This means that the use of DO fuse links in combination with the LINOCUR switch-disconnector-fuse is subject to certain conditions.

1 - This indicates the following maximum loadings for the various individual fuse links :

63-A fuse link : Imax = 63 A x 0.7 = 44A
50-A fuse link : Imax = 50 A x 0.7 = 35A
35-A fuse link : Imax = 35 A x 0.7 = 25A
25-A fuse link : Imax = 25 A x 0.9 = 22.5A
20-A fuse link : Imax = 20 A x 0.9 = 18A
16-A fuse link : Imax = 16 A x 1 = 16A
10-A fuse link : Imax = 10 A x 1 = 10A
6-A fuse link : Imax = 6 A x 1 = 6A

2 - The following additional reduction-factors must be used in installation sites with ambient temperatures > 25°C

Ambient temp. (°C) T	T ≤ 25	25 < T ≤ 30	30 < T ≤ 35	35 < T ≤ 40	40 < T ≤ 45	45 < T ≤ 50	50 < T ≤ 55
Max. loading of fuse link (%)	100	94	88	82	75	67	58

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RECTITUR DO

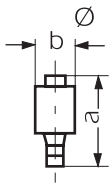
Fuse links
440 VAC up to 100 A
size D0 1, D0 2, D0 3, operating class gR

Main characteristics

For base	Rated current (A)	Pre-arcing I²t value (A²s)	Total I²t value at 440V (RMS) (A²s)	Power loss (W)	Kg/100 pcs.
D01	2	3	3	1,5	0,62
	4	4	5	2,0	0,62
	6	5	10	2,3	0,62
	10	12	25	2,2	0,62
	16	40	75	3,3	0,62
D02	20	60	110	4,3	1,40
	25	90	180	6,0	1,40
	35	210	410	8,4	1,40
	50	830	1650	10,0	1,40
	63	1300	2500	13,9	1,40
D03	80	2100	4300	17,6	3,70
	100	3300	6600	21,0	4,10

Dimensions

Dimensions	a	bØ
D02	36	11
D03	36	15,3
D04	43	22,5



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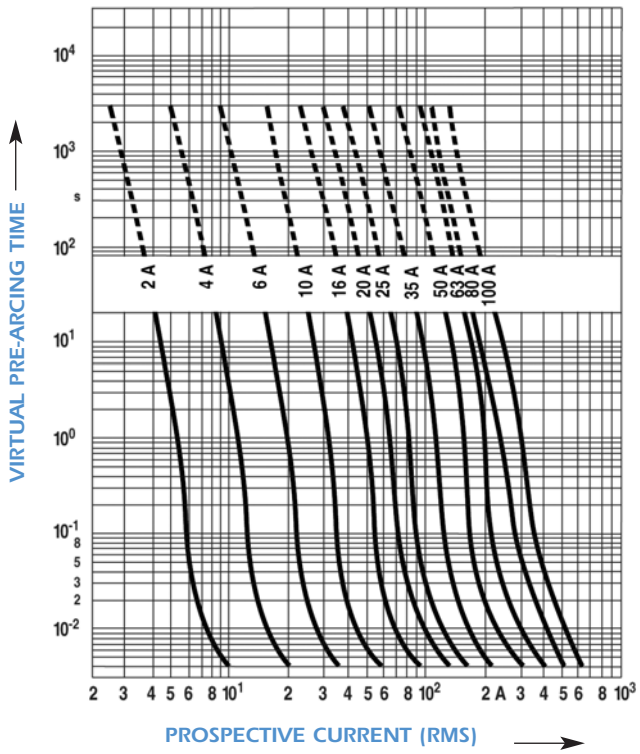
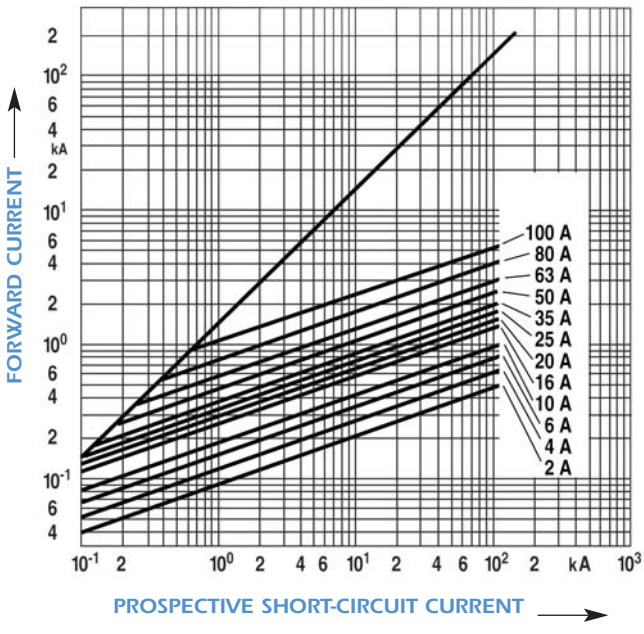
Size	Intensité (A)	Tension (VAC)	Reference	Previous Ref.	Catalog Number
D01	2	440V	M215038	17000026	D01GR44V2
D01	4	440V	N218673	17000046	D01GR44V4
D01	6	440V	B219191	17000066	D01GR44V6
D01	10	440V	F219724	17000106	D01GR44V10
D01	16	440V	N222169	17000166	D01GR44V16
D02	20	440V	H222923	17010206	D02GR44V20
D02	25	440V	R200713	17010256	D02GR44V25
D02	35	440V	F201255	17010356	D02GR44V35
D02	50	440V	R201771	17010506	D02GR44V50
D02	63	440V	Y207113	17010636	D02GR44V63
D03	80	440V	G211514	17020806	D03GR44V80
D03	100	440V	L212024	17021006	D03GR44V100

Packaging: D01 50 pieces
D02 25 pieces
D03 10 pieces