DIN Recticur fuses
D - Type gR Fuses (DIAZED)

RECTICUR - D
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. D fuse links are designed for rated voltages of 500 V AC with rated currents extending from 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 100 kA (RMS) for D-fuse links.

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

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 D-Fuse links can be used in all fuse bases of the D-system using the usual accessories such as screw caps and gauge pieces.

RECTITUR D

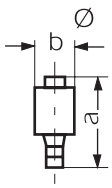
Fuse links
500 VAC - 400 VDC
size D II, D III, D IV, operating class gR

Main characteristics

For base	Rated current (A)	Pre-arcing I^2t value (A^2s)	Total I^2t value at 380V (RMS) (A^2s)	Total I^2t value at 500V (RMS) (A^2s)	Power loss (W)	Kg/100 pcs.
D II	2	1	2	3	1,8	3,1
	4	2	4	5	3,1	3,1
	6	4	6	9	3,2	3,1
	10	10	14	20	5,0	3,1
	16	26	40	55	5,8	3,1
	20	40	60	85	8,0	3,1
	25	95	140	200	12,2	3,1
D III	35	490	790	1100	14	5,3
	50	900	1480	2050	16	5,3
	63	1580	2400	3200	19	5,3
D IV	80	3200	5200	7300	35	11,0
	100	5600	10100	14000	41	11,0

Dimensions

Dimensions	a	bØ
D II	50	22
DIII	50	27
DIV	57	33



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Size	Intensité (A)	Tension (VAC)	Reference	Previous Ref.	Catalog Number
D II	2	500VAC/ 400 VDC	Z212542	5970028	DIIGR50V2
D II	4	500VAC/ 400 VDC	K213058	5970048	DIIGR50V4
D II	6	500VAC/ 400 VDC	E214065	5970068	DIIGR50V6
D II	10	500VAC/ 400 VDC	M214578	5970108	DIIGR50V10
D II	16	500VAC/ 400 VDC	T215090	5970168	DIIGR50V16
D II	20	500VAC/ 400 VDC	T215596	5970208	DIIGR50V20
D II	25	500VAC/ 400 VDC	B216109	5970258	DIIGR50V25
D II	30	500VAC/ 400 VDC	Y216612	5970308	DIIGR50V30
D III	35	500VAC/ 400 VDC	K217129	5980358	DIIIGR50V35
D III	50	500VAC/ 400 VDC	Q217640	5980508	DIIIGR50V50
D III	63	500VAC/ 400 VDC	Y218153	5980638	DIIIGR50V63
D IV	80	500VAC/ 400 VDC	B201251	5980808	DIVGR50V80
D IV	100	500VAC/ 400 VDC	M201767	5981008	DIVGR50V100
D V	125	500VAC/ 400 VDC	J207054	5961258	DIVGR50V125
D V	160	500VAC/ 400 VDC	C211510	5961608	DIVGR50V160
D.V	200	500VAC/ 400 VDC	G212020	5962008	DIVGR50V200