

CYLINDRICAL

FUSE LINKS & FUSE HOLDERS/BASES



gG CYLINDRICAL fuse links

CYL 14x51



8x32



10x38



14x51



22x58

PROTECTING
THE WORLD



RATED VOLTAGE 690V AC 500V AC 400V AC
RATED CURRENT 1A...50A
BREAKING CAPACITY 80kA @ 690V 120kA @ 500V/400V



STANDARDS IEC/EN 60269-1 IEC/EN 60269-2
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Industrial cylindrical fuse links

Cylindrical industrial gG class fuse links for use as general protection against overloads and short circuits, intended as protection for cables, power lines and equipment.

The range comprises the following fuse links:

→ Size 14x51 690V/500V/400V 1A to 50A

Available in standard version and with visual fusing indicator. Also available in striker version intended for use in fuse holders with microswitch.

Manufactured with ceramic body with high withstand to internal pressure and thermal shock, that allow a high breaking capacity. Special design in the melting elements that avoid aging and maintain the characteristics along the time. Contacts made in silver plated copper.



Range

U _n	BREAKING CAPACITY	I _n (A)	REFERENCE	
			WITHOUT INDICATOR	WITH INDICATOR
690V	80kA	1	421001	-
		2	421002	421102
		4	421004	421104
		6	421006	421106
		8	421008	421108
		10	421010	421110
		12	421012	421112
		16	421016	421116
		20	421020	421120
		25	421025	421125
500V	120kA	32	421032	421132
		40	421040	421140
400V	120kA	50	421050	421150

U _n	BREAKING CAPACITY	I _n (A)	REFERENCE	PACKING Uni /BOX
			WITH STRIKER	
500V	120kA	1	-	10/50
		2	421202	10/50
		4	421204	10/50
		6	421206	10/50
		8	421208	10/50
		10	421210	10/50
		12	421212	10/50
		16	421216	10/50
		20	421220	10/50
		25	421225	10/50
400V	120kA	32	421232	10/50
		40	421240	10/50
400V	120kA	50	421250	10/50



Technical data

Rated voltage	690V +5% 500V +10% 400V +10%
Rated current	1A...50A
Rated breaking capacity	80kA @690V 120kA @500V/400V
Operating class	gG
Rated frequency	42...62Hz
Storage temperature	-40°C ... 90°C
Operating temperature *	-40°C ... 80°C

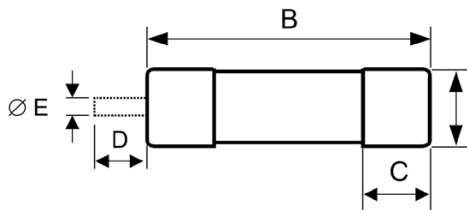
* For ambient temperatures higher than 25°C it is necessary to apply a derating in maximum current.

Standards

IEC/EN 60269-1
IEC/EN 60269-2
RoHS Compliant



Dimensions



A	B	C	D	E
14,3	51	11,5	8	3,7

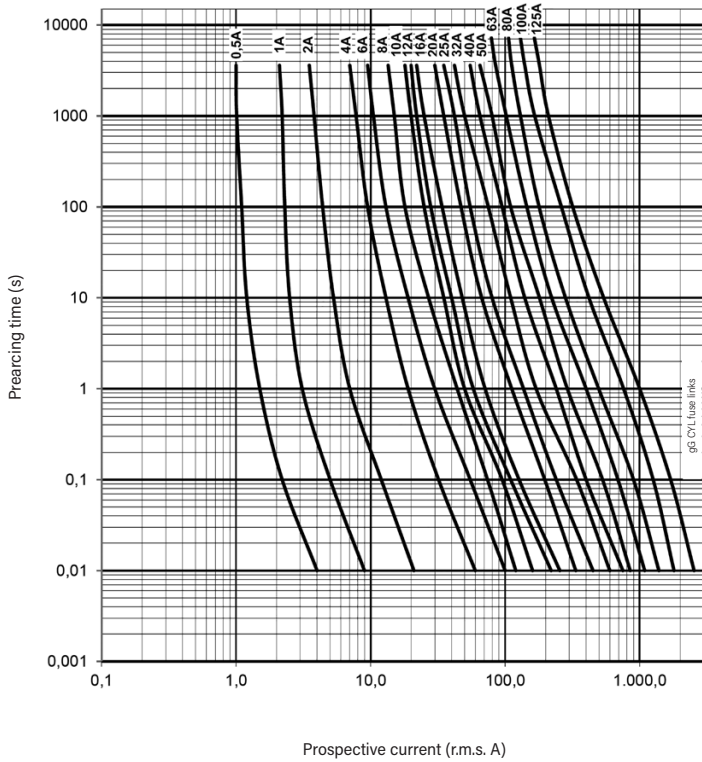
Weight 18gr

Power dissipation I²_t Values

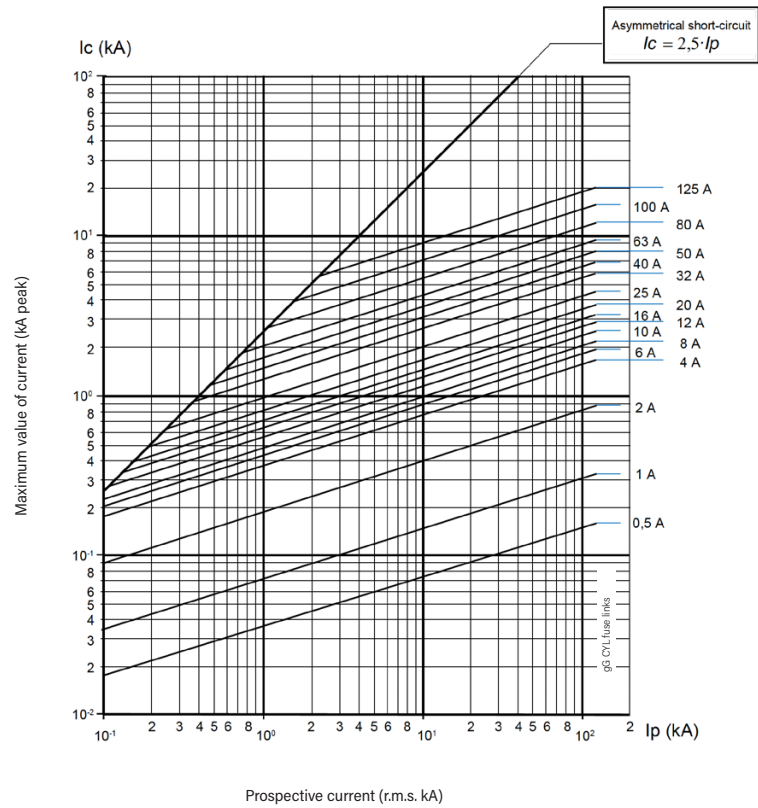
I _n	POWER DISSIPATION	PREARcing I ² _t	I ² _t 690V	I ² _t 500V	I ² _t 400V
(A)	(W)	(A ² S)	(A ² S)	(A ² S)	(A ² S)
1	3,90	6,5	22	15,7	13,2
2	0,80	7,0	25	17,6	14,6
4	0,90	45	150	108	90
6	1,05	70	230	166	140
8	1,10	80	260	188	158
10	1,30	120	420	297	248
12	1,50	180	600	431	362
16	2,50	270	880	636	536
20	2,60	500	1600	1162	981
25	3,30	800	2900	2034	1688
32	4,00	1200	4000	2871	2412
40	4,20	2500	8000	5808	4907
50	4,80	5100	20000	13728	11262



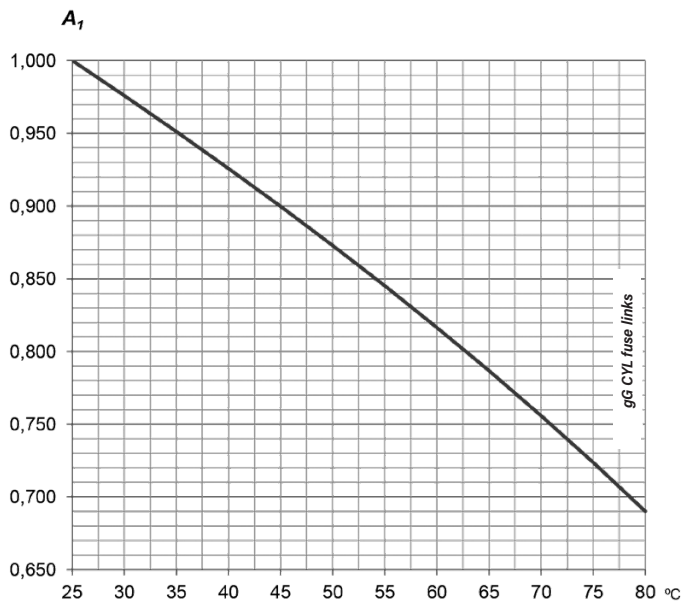
t-I characteristics



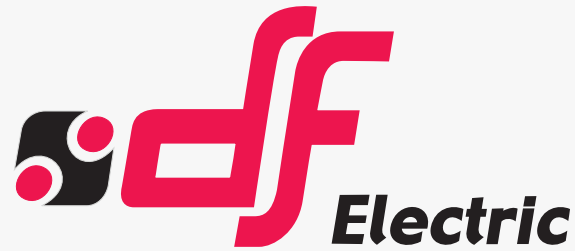
Cut-off characteristics



Ambient temperature derating factor



t_a (°C)	A_1
25	1,00
30	0,98
35	0,95
40	0,93
45	0,90
50	0,87
55	0,84
60	0,82
65	0,79
70	0,76
75	0,72
80	0,69



PROTECTING THE WORLD

HEAD OFFICE AND FACTORY

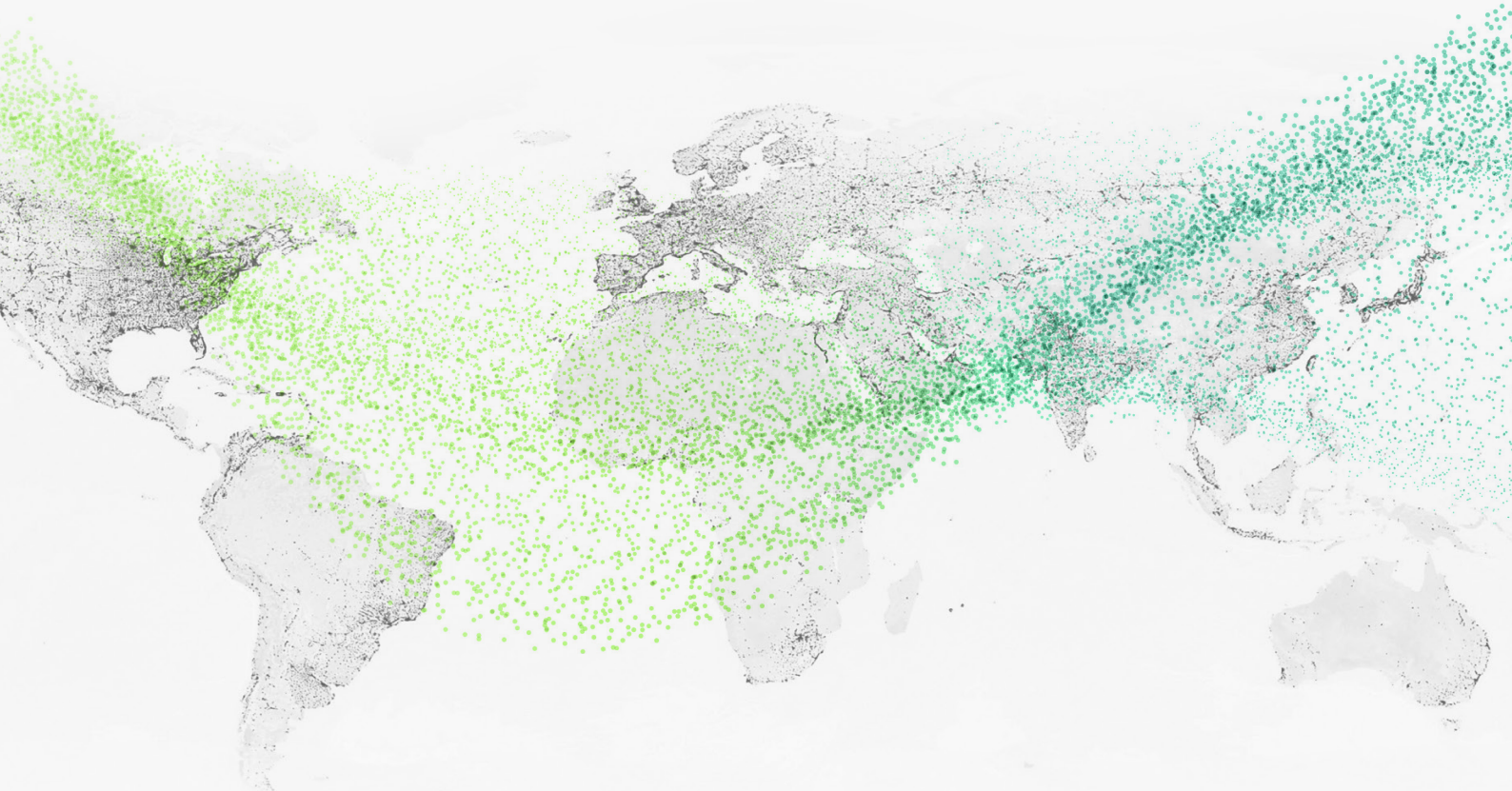
SILICI, 67-69
08940 CORNELLA DE LLOBREGAT
BARCELONA · SPAIN
Tel. +34 93 377 85 85
Fax +34 93 377 82 82

INTERNATIONAL SALES

Tel. +34 93 475 08 64
Fax +34 93 480 07 75
export@dfelectric.es

NATIONAL SALES

Tel. 93 475 08 64
Fax 93 480 07 76
comercial@dfelectric.es



dfelectric.es



According to the waste of electrical and electronic equipment directive, electrical material should not be part of the usual waste. This symbol alerts users that these products should be recycled according to local environmental waste disposal regulations.



The "electro technical expert" logo marked on the products included in this data sheet indicates that the installation of these products must be carried out by expert personnel with specialized knowledge.



To prevent electrical hazards, carry out the installation without voltage.



Safety notice
Please capture the following QR code and read our safety notice carefully before installing our products.



The data reflected in this technical record are subject to the correct installation of the product in accordance with manufacturer's instructions, relevant installation standards and professional practices, maintained and used in applications for which they were made.

The products described in this document have been designed, developed and tested in accordance with specific standard. They are considered components that are integrated as part of installation, machine or equipment. The correct general operation of the referred product is responsibility of the manufacturer of the installation, machine or equipment.

DF ELECTRIC cannot guarantee the characteristics of an installation, machine or equipment that has been designed by a third party. Once a product has been selected, the user must verify that it is appropriate for its application, through the verifications and/or tests that it deems appropriate.

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