

# CYLINDRICAL

FUSE LINKS & FUSE HOLDERS/BASES

## gG CYLINDRICAL fuse links

CYL 22x58



8x32



10x38



14x51



22x58

PROTECTING  
THE WORLD



**RATED VOLTAGE**  
690V AC  
500V AC

**RATED CURRENT**  
2A...125A

**BREAKING CAPACITY**  
80kA @ 690V  
120kA @ 500V/400V

**STANDARDS**  
IEC/EN 60269-1  
IEC/EN 60269-2



## 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 22x58 690V/500V 2A to 125A

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

Un	BREAKING CAPACITY	In (A)	REFERENCE		Un	BREAKING CAPACITY	In (A)	REFERENCE	PACKING Uni /BOX
			WITHOUT INDICATOR	WITH INDICATOR					
690V	80kA	2	422002	422102	690V	80kA	2	-	10/50
		4	422004	422104			4	422204	10/50
		6	422006	422106			6	422206	10/50
		8	422008	422108			8	422208	10/50
		10	422010	422110			10	422210	10/50
		12	422012	422112			12	422212	10/50
		16	422016	422116			16	422216	10/50
		20	422020	422120			20	422220	10/50
		25	422025	422125			25	422225	10/50
		32	422032	422132			32	422232	10/50
		40	422040	422140			40	422240	10/50
		50	422050	422150			50	422250	10/50
		63	422063	422163			63	422263	10/50
		500V	120kA	80			422080	422180	500V
100	422000			422100	100	422200	10/50		
125*	422015			422115	125*	422215	10/50		

\* Overrating fuse links



## Technical data

Rated voltage	690V +5%   500V +10%   400V +10%
Rated current	2A...125A
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

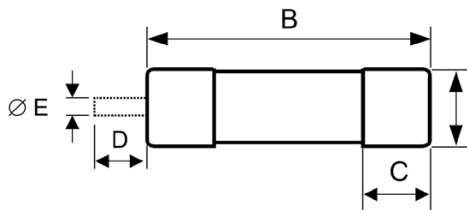
\* For ambient temperatures higher than 25°C it is necessary to apply a derating in maximum current.

## Standards

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



## Dimensions



A	B	C	D	E
22,2	58	15,5	8	3,7

Weight 50gr

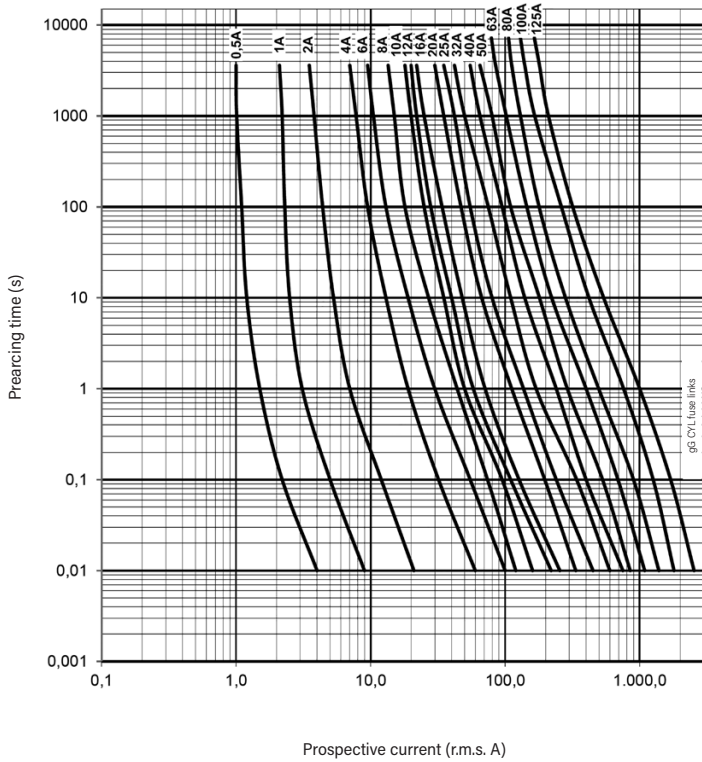
## Power dissipation $I^2t$ Values

$I_n$	POWER DISSIPATION	PREARcing $I^2t$	$I^2t$ 690V	$I^2t$ 500V	$I^2t$ 400V
(A)	(W)	(A <sup>2</sup> S)	(A <sup>2</sup> S)	(A <sup>2</sup> S)	(A <sup>2</sup> S)
2	0,90	7,0	25	17,6	14,6
4	1,10	45	150	108	90
6	1,30	70	230	166	140
8	1,90	80	260	188	158
10	1,50	120	420	297	248
12	1,80	180	600	431	362
16	3,00	270	880	636	536
20	3,10	500	1600	1162	981
25	3,30	800	2900	2034	1688
32	4,30	1200	4000	2871	2412
40	4,40	2500	8000	5808	4907
50	5,50	5100	20000	13728	11262
63	5,95	10000	39000	26811	22011
80	7,00	15000	-	60000	45471
100	8,50	39800	-	91150	77229
125	10,0	56000	-	145300	120074**

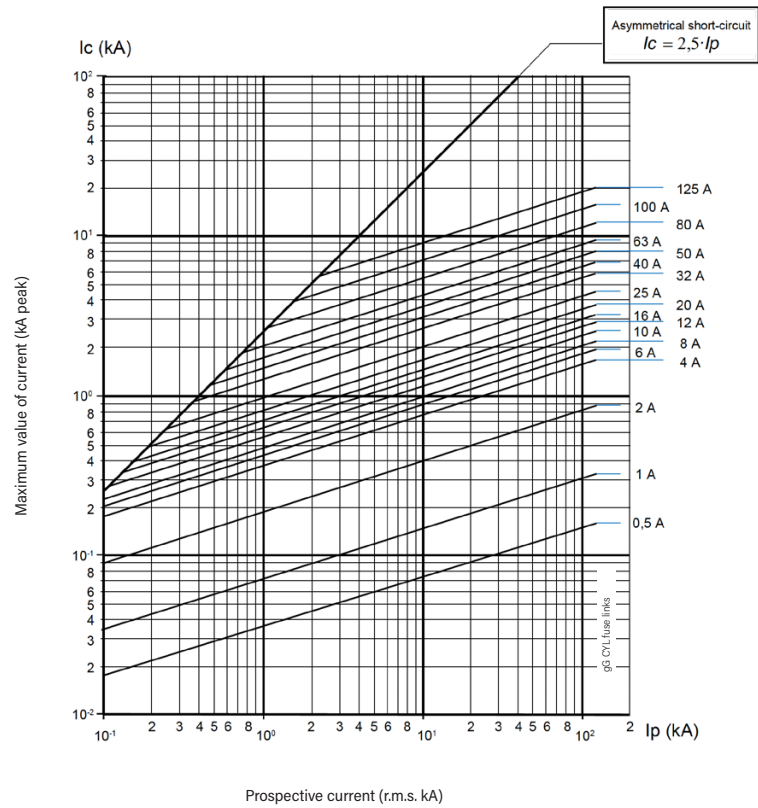
\*\* REF 422215



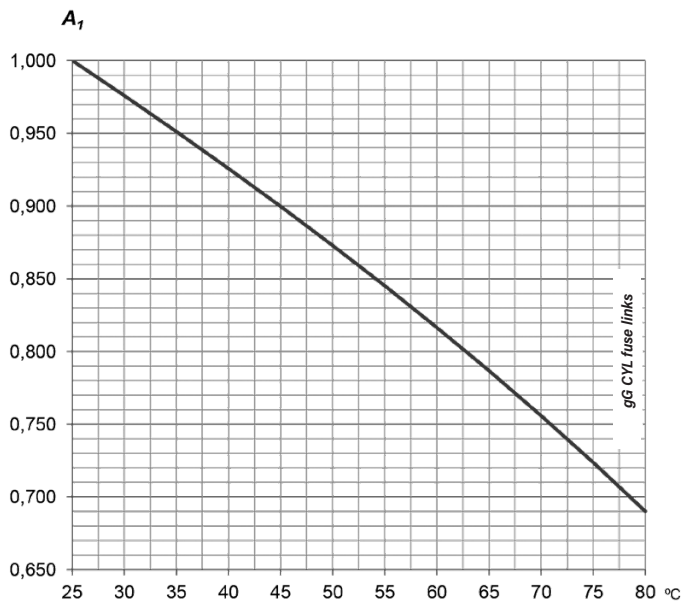
## t-I characteristics



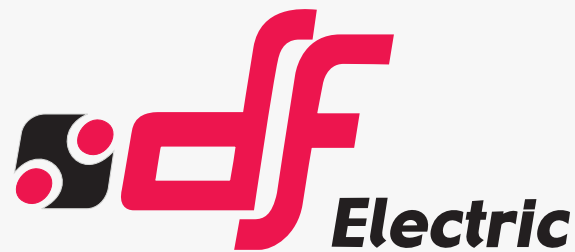
## Cut-off characteristics



## 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

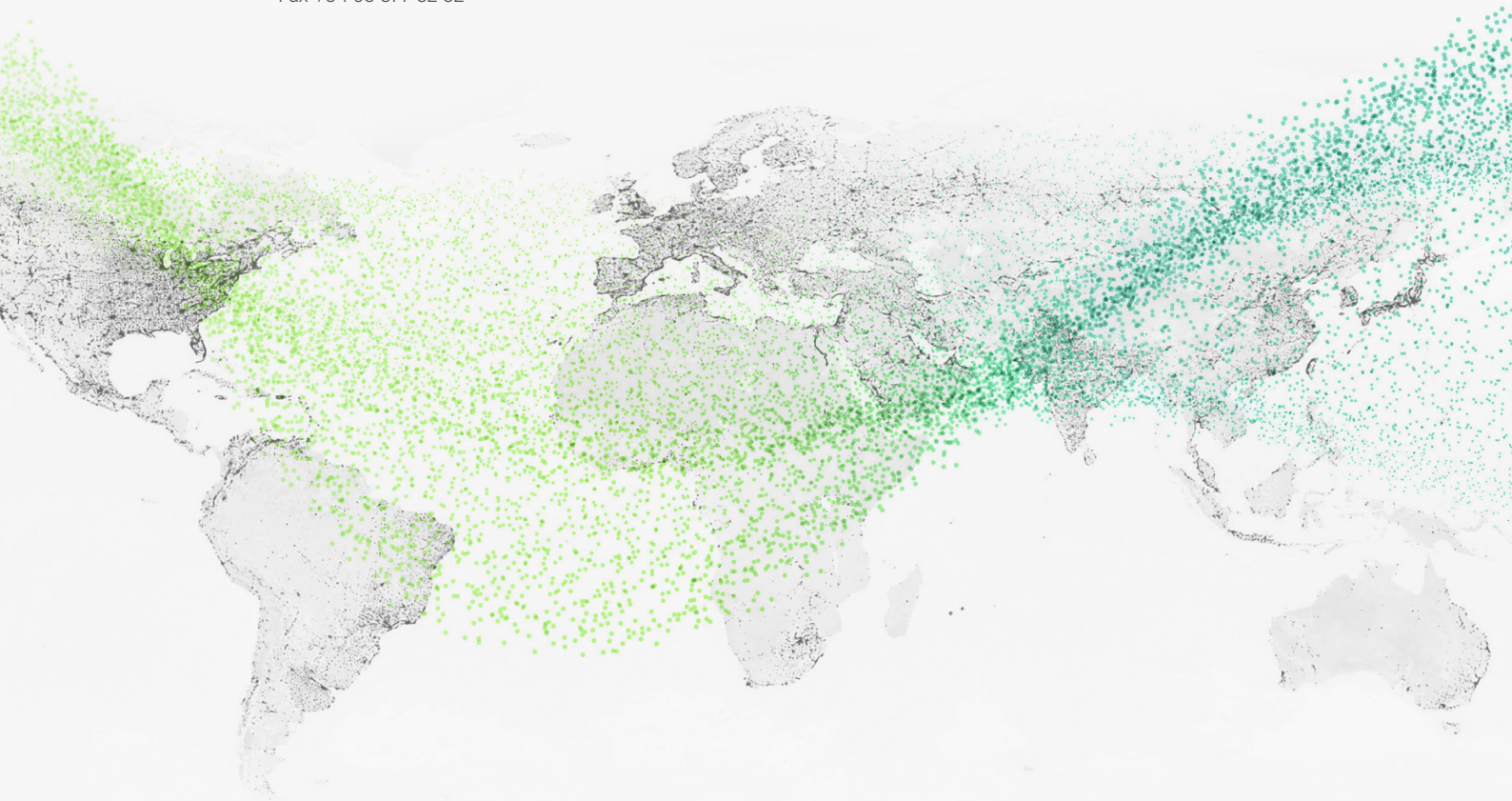
SILICI, 67-69  
08940 CORNELLA DE LLOBREGAT  
BARCELONA · SPAIN  
Tel. +34 93 377 85 85  
Fax +34 93 377 82 82

## 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](http://dfelectric.es)



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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.



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