



**PROTECTING  
THE WORLD**

# CYLINDRICAL

FUSE LINKS & FUSE HOLDERS/BASES

## gG CYLINDRICAL fuse links

CYL

14x51



8x32



10x38



14x51



22x58



#### 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



## 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

Un	BREAKING CAPACITY	In (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

Un	BREAKING CAPACITY	In (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
		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
Utilization category	gG
Rated frequency	42...62Hz
Storage temperature	-40°C ... 90°C
Operating temperature *	-40°C ... 80°C

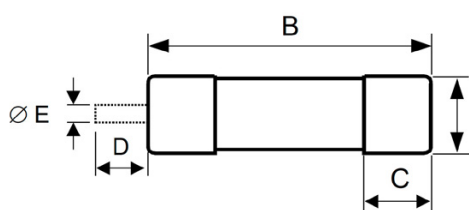
\* For ambient temperatures higher than 25°C it is necessary to apply a derating in maximum current.

## 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

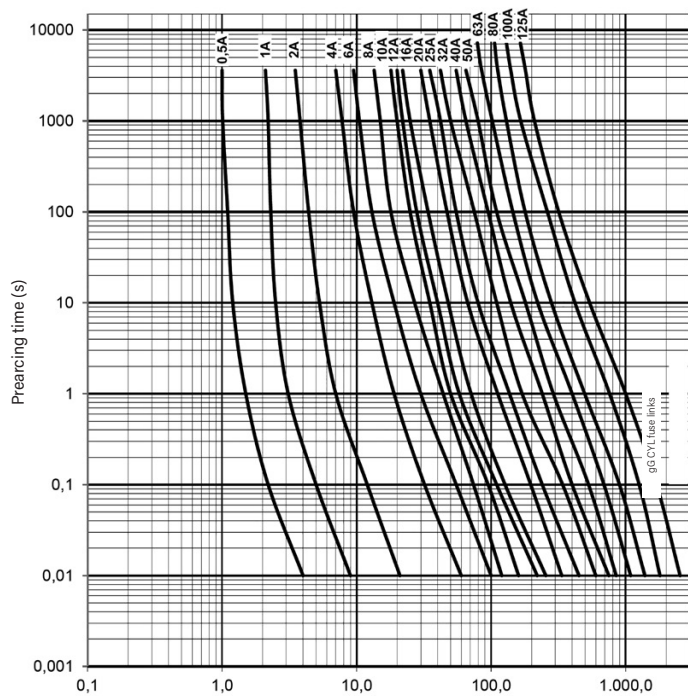
## Power dissipation

I <sub>n</sub>	POWER DISSIPATION	PREARcing I <sub>t</sub> <sup>2</sup>	I <sub>t</sub> <sup>2</sup> 690V	I <sub>t</sub> <sup>2</sup> 500V	I <sub>t</sub> <sup>2</sup> 400V
(A)	(W)	(A <sup>2</sup> S)	(A <sup>2</sup> S)	(A <sup>2</sup> S)	(A <sup>2</sup> S)
1	3,90	6,5	22	-	-
2	0,80	7,0	25	17,6	-
4	0,90	45	150	108	-
6	1,05	70	230	166	-
8	1,10	80	260	188	-
10	1,30	120	420	297	-
12	1,50	180	600	431	-
16	2,50	270	880	636	-
20	2,60	500	1600	1162	-
25	3,30	800	2900	2034	-
32	4,00	1200	-	2871	-
40	4,75	2500	-	5808	-
50	4,80	5100	-	-	11262

Only for STRIKER range

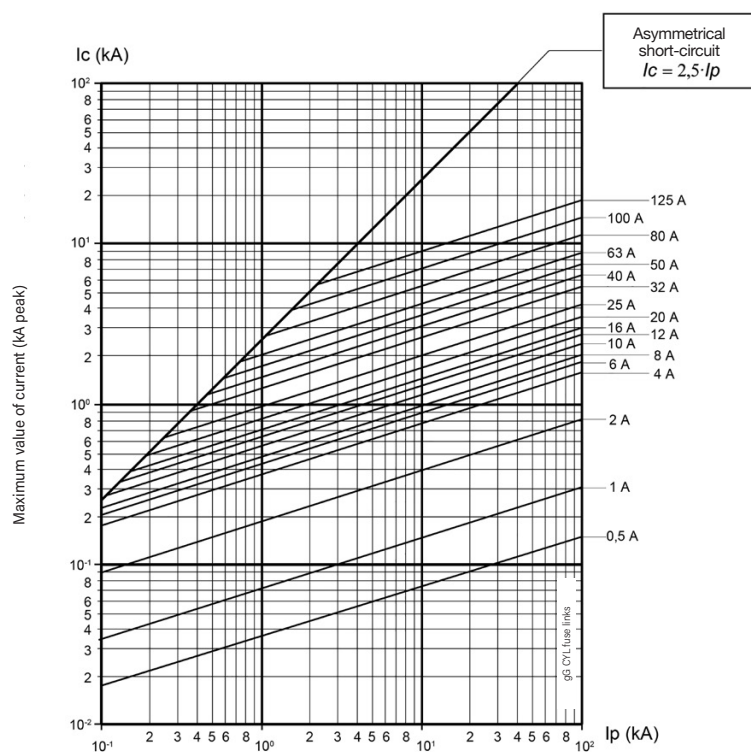


## t-I characteristics



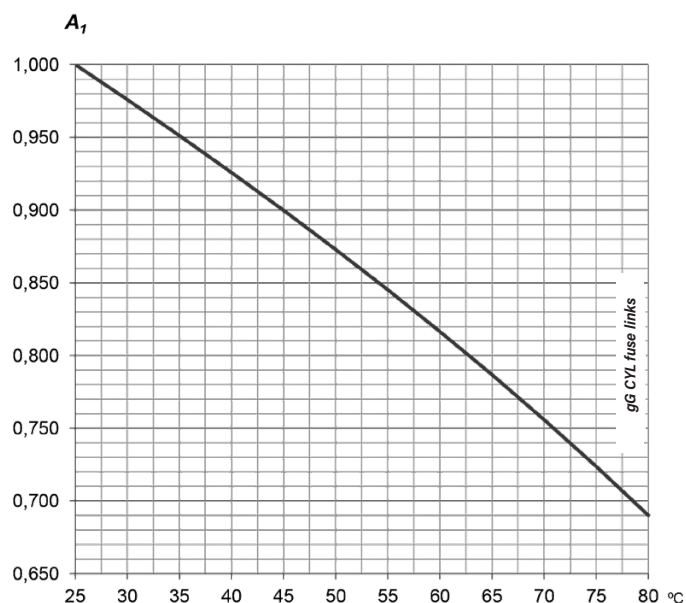
Prospective current (r.m.s. A)

## Cut-off characteristics



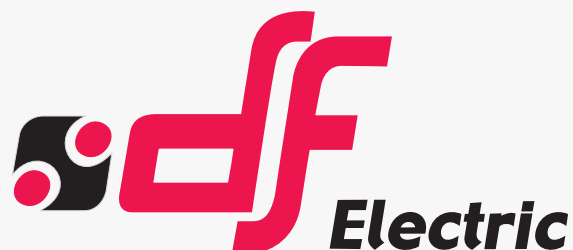
Prospective current (r.m.s. kA)

## 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

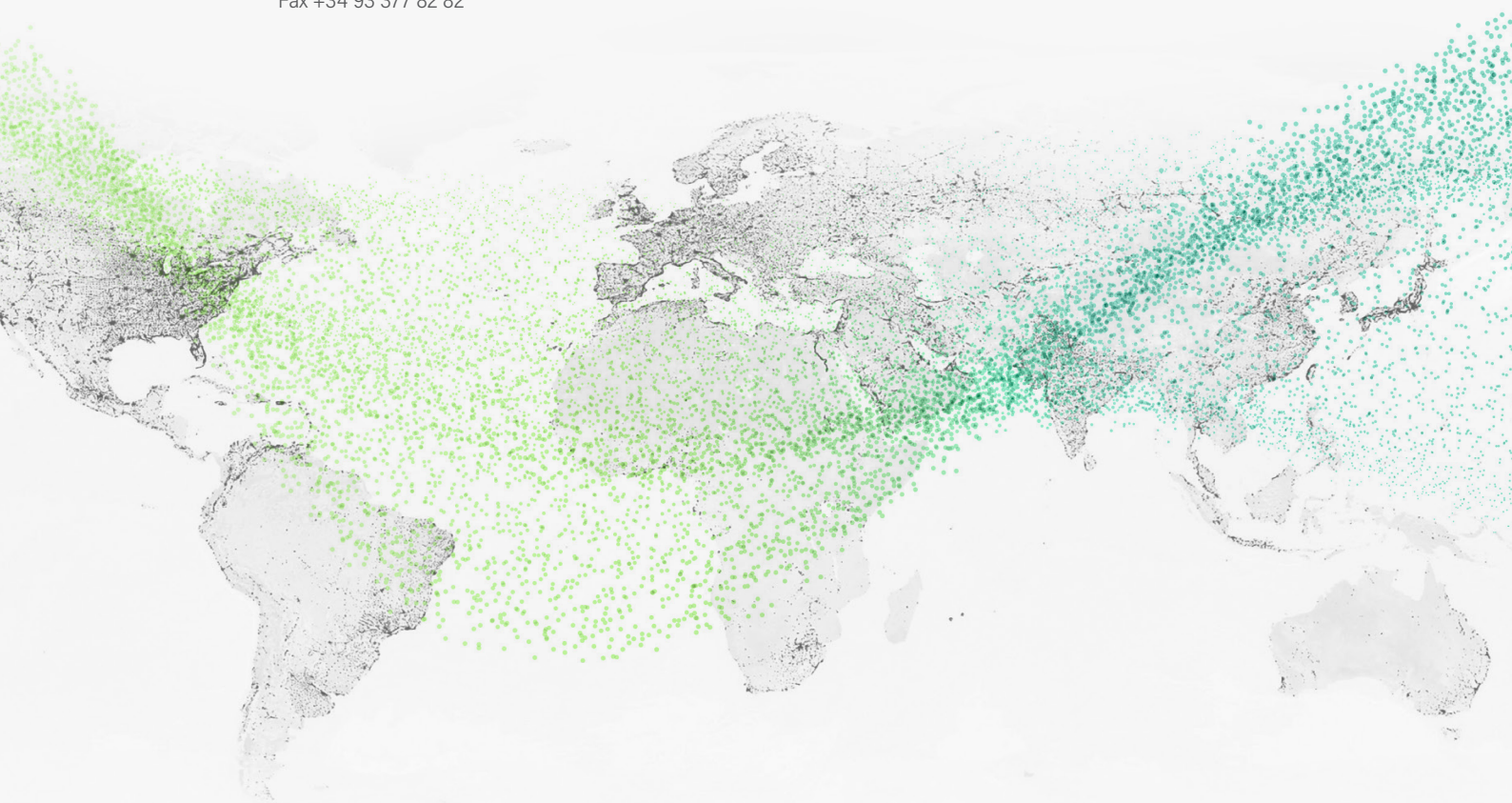
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According to the waste of electrical and electronic equipment directive, electrical material should not be part of the usual waste. This symbol alerts users that these products should be recycled according to local environmental waste disposal regulations.



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.

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