

# CYLINDRICAL

FUSE LINKS & FUSE HOLDERS/BASES



## gG CYLINDRICAL fuse links

CYL

14x51



8x32



10x38



14x51



22x58

## PROTECTING THE WORLD



14x51

#### 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

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

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

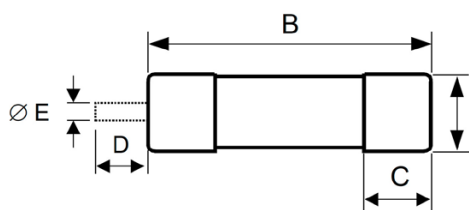
\* For ambient temperatures higher than 25°C it is necessary to apply a derating in maximum current.

## 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

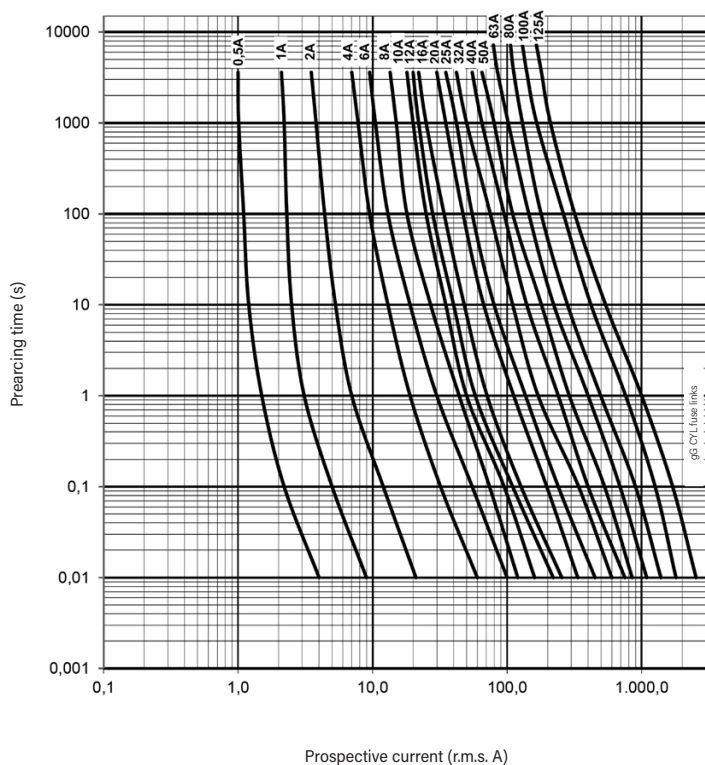
Weight 18gr

## Power dissipation $I^2t$ Values

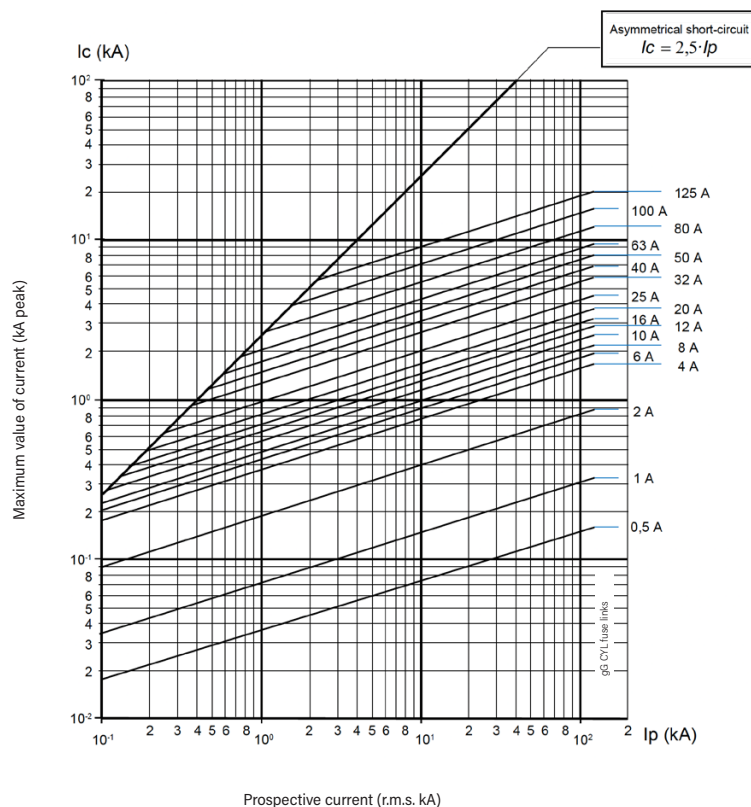
$I_n$	POWER DISSIPATION	PREARcing $I^2t$	$I^2t$ 690V	$I^2t$ 500V	$I^2t$ 400V
(A)	(W)	(A <sup>2</sup> S)	(A <sup>2</sup> S)	(A <sup>2</sup> S)	(A <sup>2</sup> S)
1	3,90	6,5	22	15,7	13,2
2	0,80	7,0	25	17,6	14,6
4	0,90	45	150	108	90
6	1,05	70	230	166	140
8	1,10	80	260	188	158
10	1,30	120	420	297	248
12	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	4,75	2500	8000	5808	4907
50	4,80	5100	20000	13728	11262



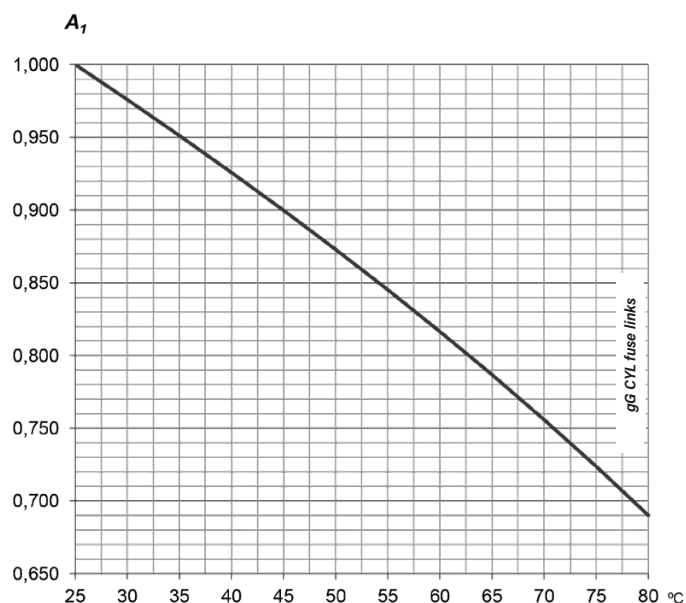
## t-I characteristics



## 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

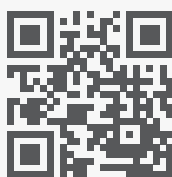
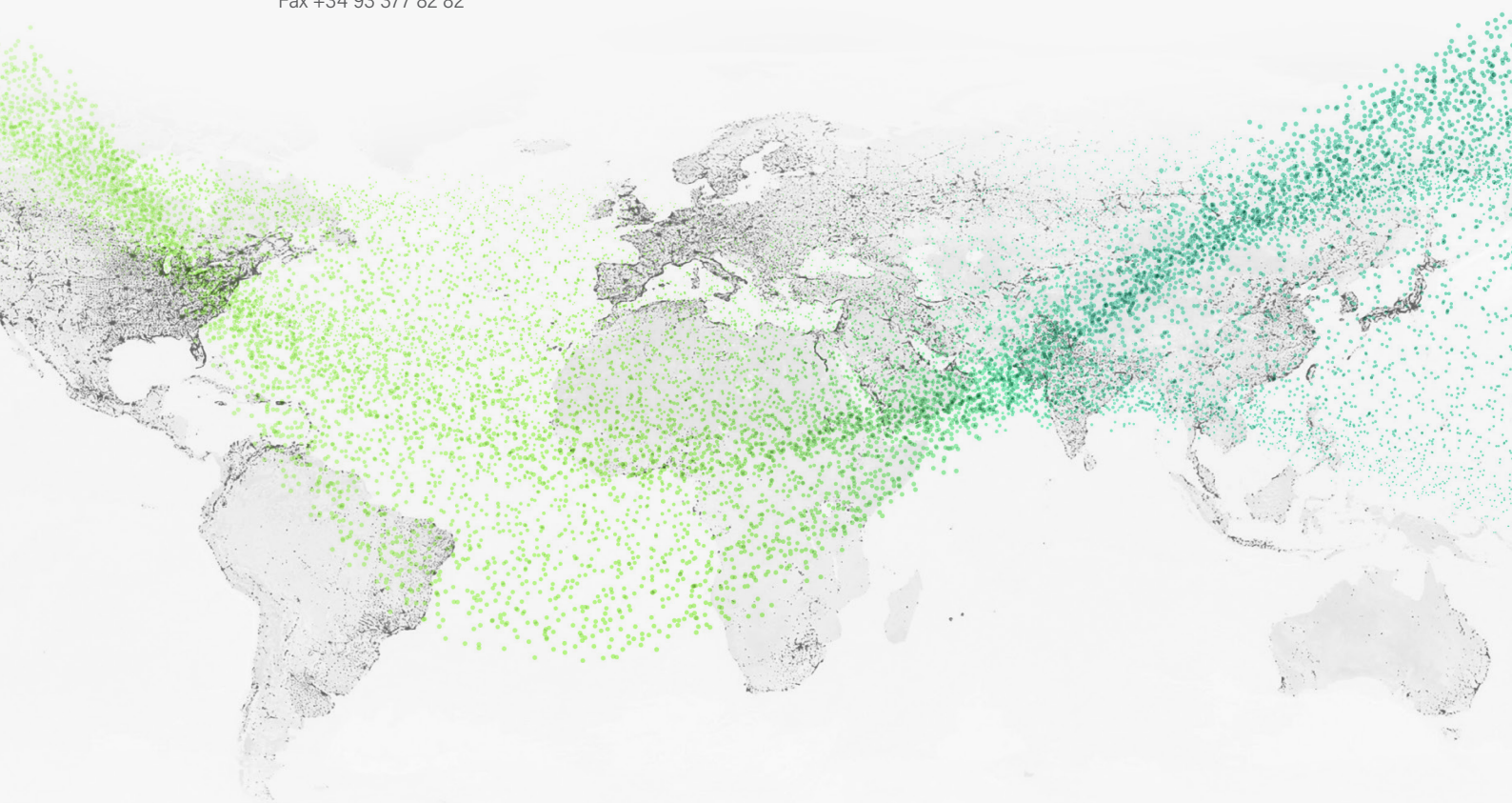
SILICI, 67-69  
08940 CORNELLA DE LLOBREGAT  
BARCELONA · SPAIN  
Tel. +34 93 377 85 85  
Fax +34 93 377 82 82

## 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



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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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