

CYLINDRICAL

FUSE LINKS & FUSE HOLDERS/BASES



gG CYLINDRICAL fuse links



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	
			WITHOUT INDICATOR	WITH INDICATOR
690V	80kA	2	422002	422102
		4	422004	422104
		6	422006	422106
		8	422008	422108
		10	422010	422110
		12	422012	422112
		16	422016	422116
		20	422020	422120
		25	422025	422125
		32	422032	422132
		40	422040	422140
		50	422050	422150
		63	422063	422163
500V	120kA	80	422080	422180
		100	422000	422100
		125*	422015	422115

Un	BREAKING CAPACITY	In (A)	REFERENCE WITH STRIKER	PACKING Uni /BOX
690V	80kA	2	-	10/50
		4	422204	10/50
		6	422206	10/50
		8	422208	10/50
		10	422210	10/50
		12	422212	10/50
		16	422216	10/50
		20	422220	10/50
		25	422225	10/50
		32	422232	10/50
		40	422240	10/50
		50	422250	10/50
		63	422263	10/50
500V	120kA	80	422280	10/50
		100	422200	10/50
400V	120kA	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
Utilization category	gG
Rated frequency	42...62Hz
Storage temperature	-40°C ... 90°C
Operating temperature *	-40°C ... 80°C

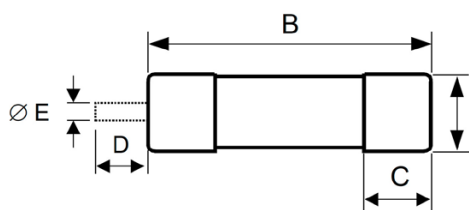
* For ambient temperatures higher than 25°C it is necessary to apply a derating in maximum current.

Standards

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



Dimensions



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

Weight 50gr

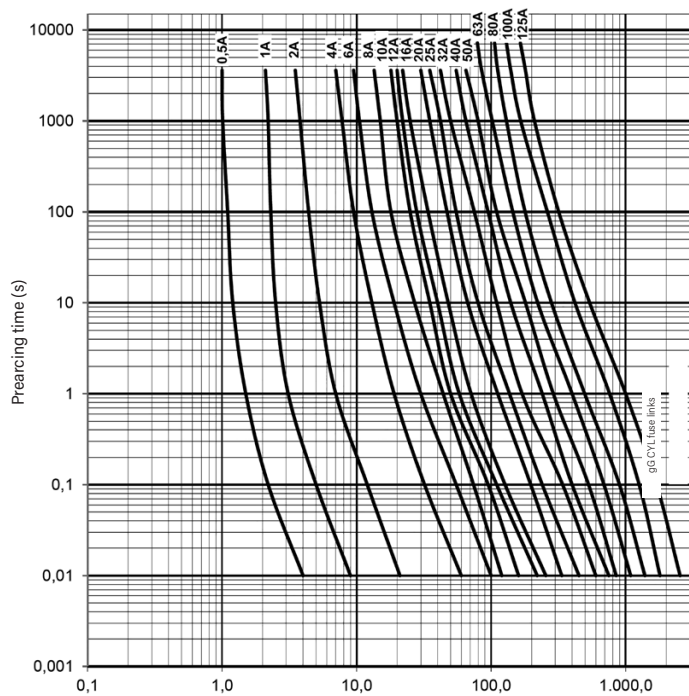
Power dissipation

I _n	POWER DISSIPATION	PREARcing I _t ²	I _t ² 690V	I _t ² 500V	I _t ² 400V
(A)	(W)	(A ² S)	(A ² S)	(A ² S)	(A ² S)
2	0,90	7,0	25,0	-	-
4	1,10	45	150	-	-
6	1,30	70	230	-	-
8	1,90	80	260	-	-
10	1,50	120	420	-	-
12	1,80	180	600	-	-
16	3,00	270	880	-	-
20	3,10	500	1600	-	-
25	3,30	800	2900	-	-
32	4,30	1200	4000	2871	-
40	4,40	2500	8000	5808	-
50	5,50	5100	20000	-	-
63	4,95	10000	39000	-	-
80	7,00	15000	-	60000	-
100	7,95	39800	-	91150	-
125	10,0	56000	-	145300	120074**

** REF 422215

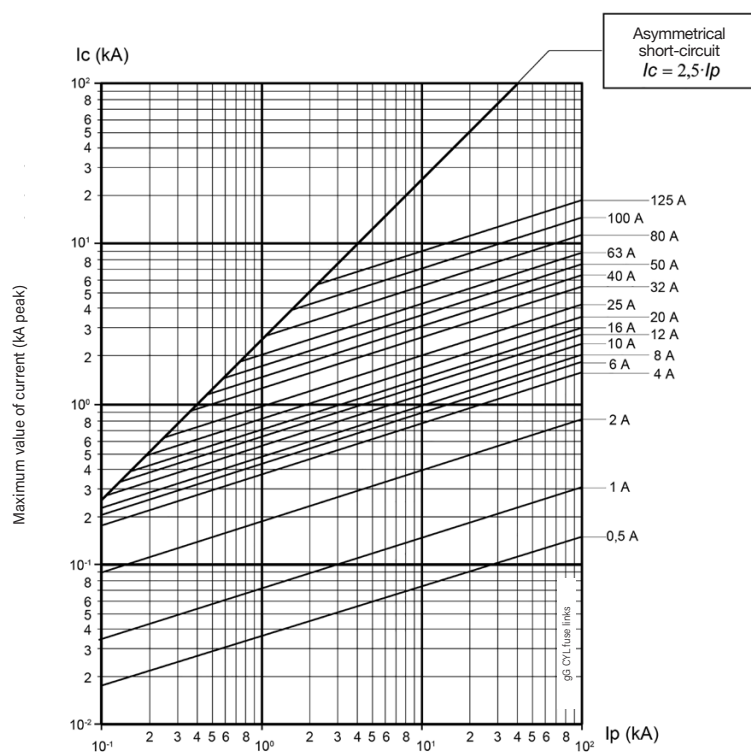


t-I characteristics



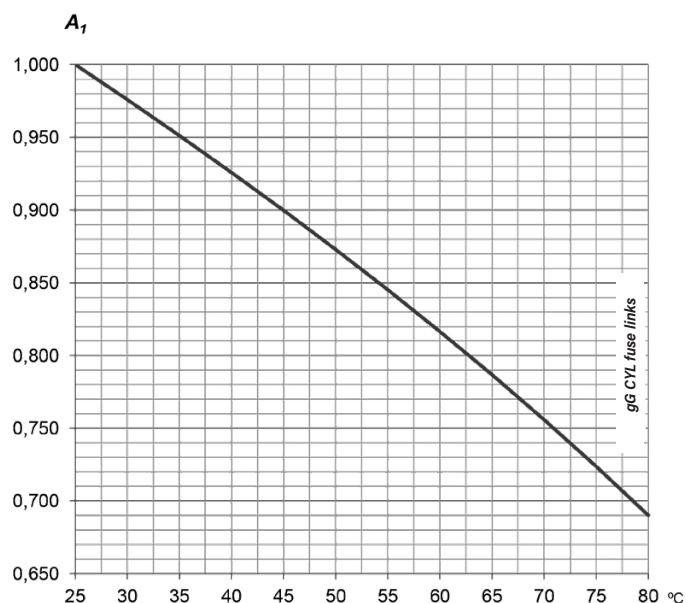
Prospective current (r.m.s. A)

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

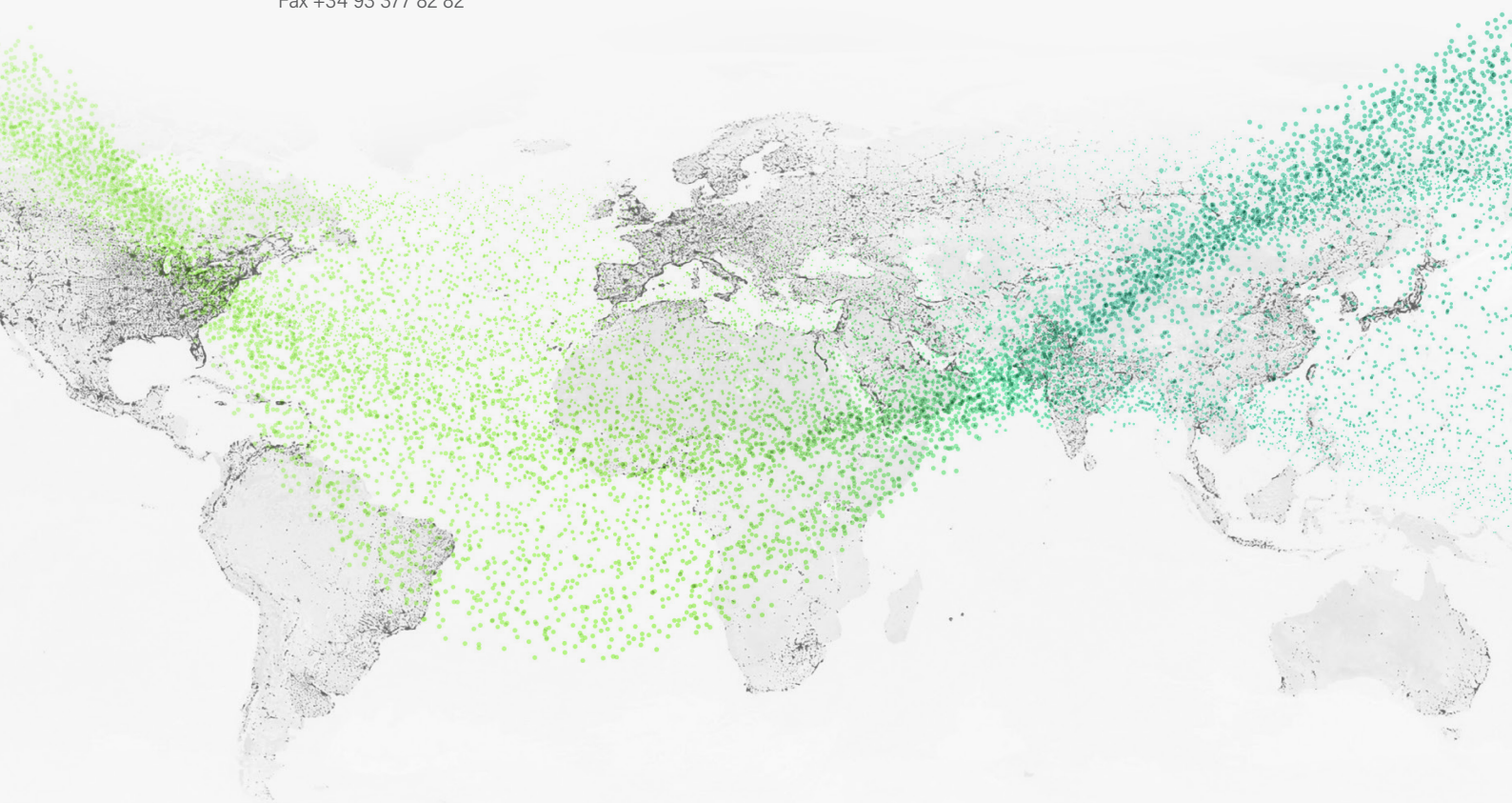
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According to the waste of electrical and electronic equipment directive, electrical material should not be part of the usual waste. This symbol alerts users that these products should be recycled according to local environmental waste disposal regulations.



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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