

CYLINDRICAL

FUSE LINKS & FUSE HOLDERS/BASES

gG CYLINDRICAL fuse links

CYL

8x32



8x32



10x38



14x51



22x58

PROTECTING
THE WORLD





RATED VOLTAGE
400V AC

RATED CURRENT
0,5A...20A

BREAKING CAPACITY
20kA

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 8x32 400V 0,5A to 20A

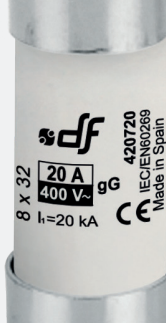
Available in standard version and with visual fusing indicator.

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		PACKING Uni /BOX
			WITHOUT INDICATOR	WITH INDICATOR	
400V	20kA	0,5	420500	-	10/100
		1	420501	-	10/100
		2	420502	420602	10/100
		4	420504	420604	10/100
		6	420506	420606	10/100
		8	420508	420608	10/100
		10	420510	420610	10/100
		12	420512	420612	10/100
		16	420516	420616	10/100
		20	420720	420820	10/100



Technical data

Rated voltage	400V +10%
Rated current	0,5A...20A
Rated breaking capacity	20kA
Utilization category	gG
Rated frequency	42...62Hz
Storage temperature	-40°C ... 90°C
Operating temperature *	-40°C ... 80°C

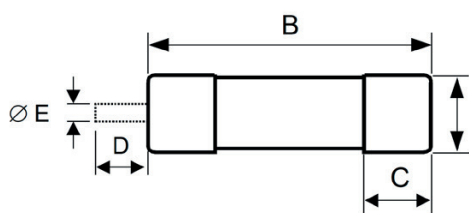
* For ambient temperatures higher than 25°C it is necessary to apply a derating in maximum current.

Standards

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



Dimensions

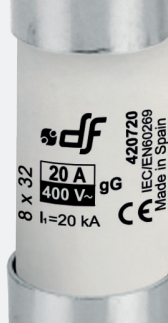


A	B	C
8,5	31,5	6,3

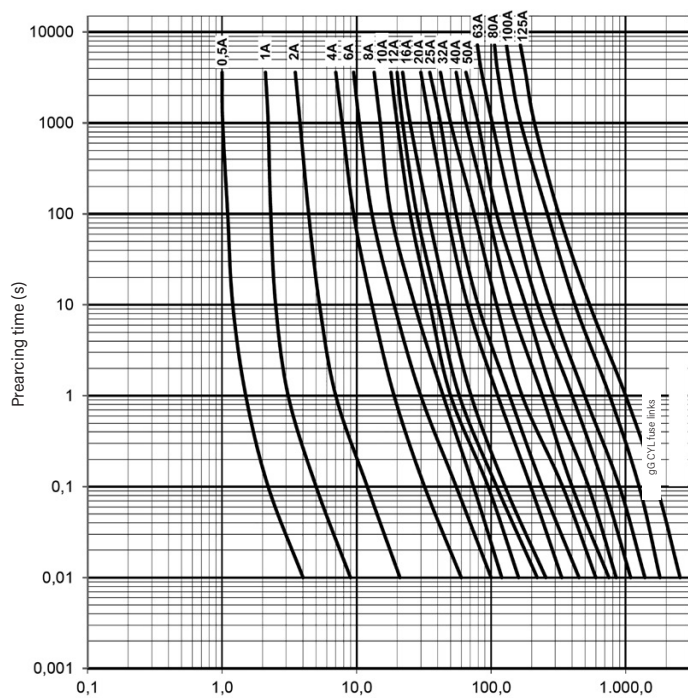
Weight 4,1gr

Power dissipation

I_n	POWER DISSIPATION	PREARcing I^2t	I^2t 400V
(A)	(W)	(A ² S)	(A ² S)
0,5	1,2	4,0	8,6
1	2,0	6,5	13,2
2	0,5	7,0	14,6
4	0,8	45	90
6	1,1	70	140
8	1,3	80	158
10	1,0	120	248
12	1,2	180	362
16	1,5	270	536
20	2,0	500	981

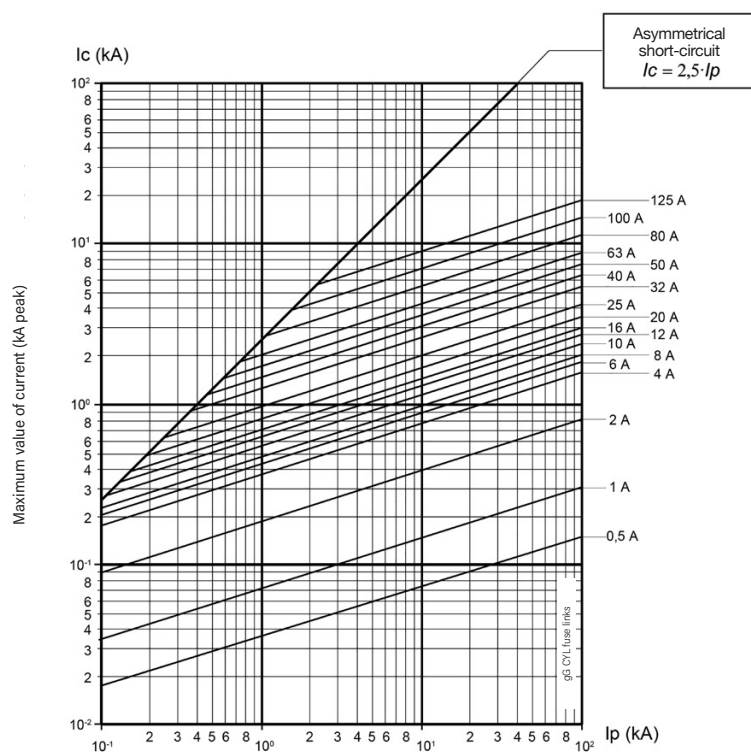


t-I characteristics



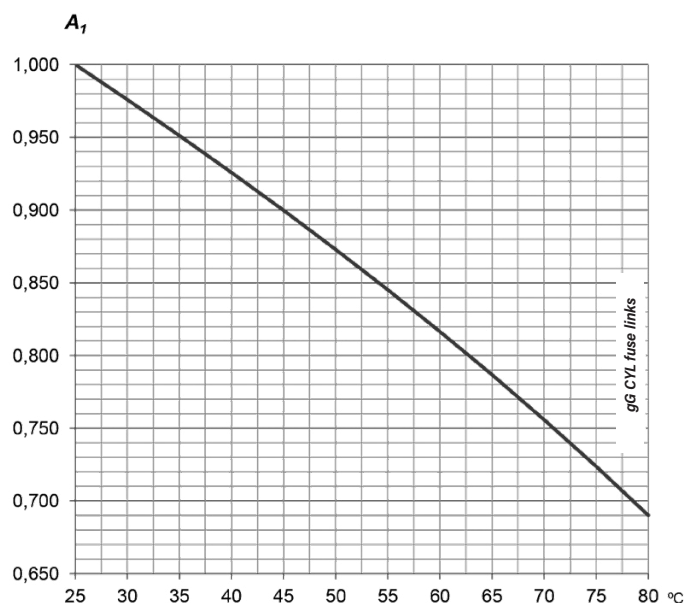
Prospective current (r.m.s. A)

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

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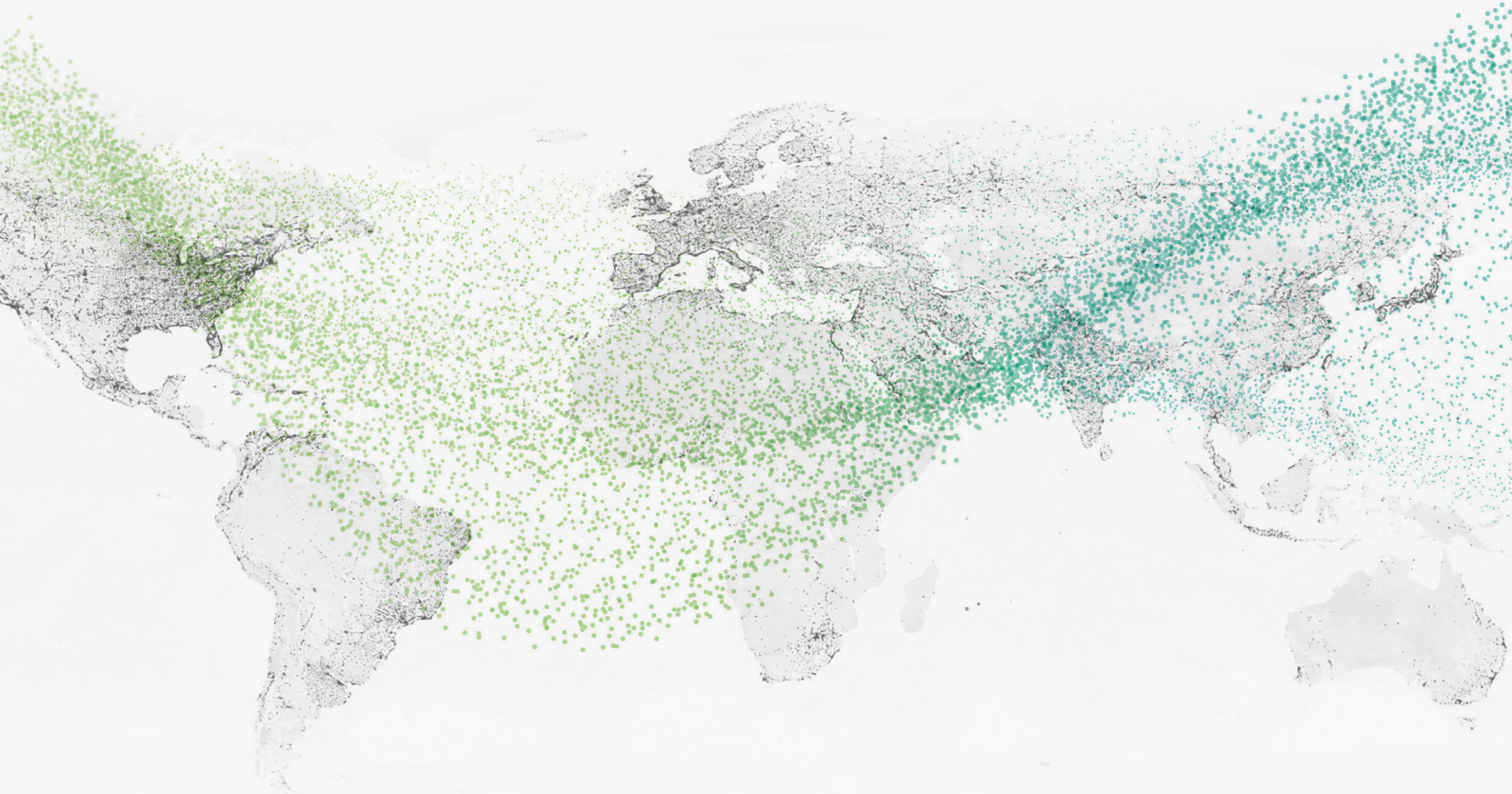
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The data reflected in this technical record are subject to the correct installation of the product in accordance with manufacturer's instructions, relevant installation standards and professional practices, maintained and used in applications for which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