

CYLINDRICAL

FUSE LINKS & FUSE HOLDERS/BASES

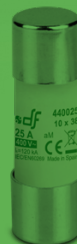
aM CYLINDRICAL fuse links

CYL

8x32



8x32



10x38

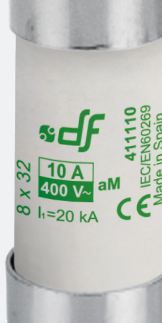


14x51



22x58

PROTECTING
THE WORLD



RATED VOLTAGE
400V AC

RATED CURRENT
1A...10A

BREAKING CAPACITY
20kA

STANDARDS

IEC/EN 60269-1
IEC/EN 60269-2



Industrial cylindrical fuse links

Cylindrical industrial aM class fuse links are intended for short-circuit protection in motors, transformers and other loads with high inrush currents. Provide excellent protection of switchgear (contactors, thermal switch, etc) due to good current limiting capability and low I^2t values.

These fuse links must be associated with an overload device protection as a thermal switch or equivalent.

The range comprises the following fuse links:

→ Size 8x32 400V 1A to 10A

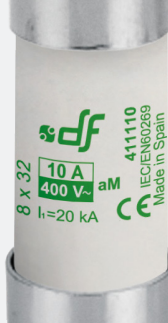
Available in standard version and with visual fusing indicator.

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 are made in silver plated copper.



Range

Un	BREAKING CAPACITY	In (A)	REFERENCE		PACKING Uni /BOX
			WITHOUT INDICATOR	WITH INDICATOR	
400V	20kA	1	411101	411201	10/100
		2	411102	411202	10/100
		4	411104	411204	10/100
		6	411106	411206	10/100
		8	411108	-	10/100
		10	411110	411210	10/100



Technical data

Rated voltage	400V +10%
Rated current	1A...10A
Rated breaking capacity	20kA
Operating class	aM
Rated frequency	42...62Hz
Storage temperature	-40°C ... 90°C
Operating temperature *	-40°C ... 80°C

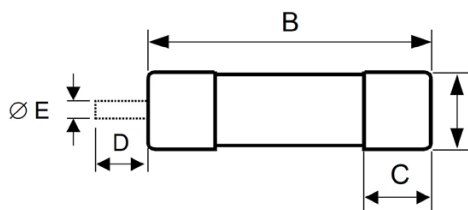
* For ambient temperatures higher than 25°C it is necessary to apply a derating in maximum current.

Standards

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



Dimensions



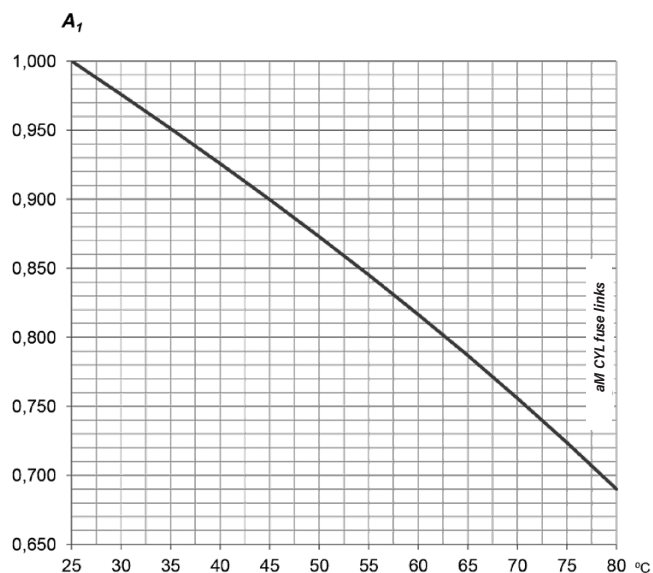
A	B	C
8,5	31,5	6,3

Weight 4,1gr

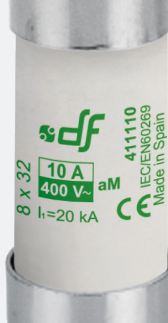
Power dissipation I^2t Values

I_n (A)	POWER DISSIPATION (W)	PREARcing I^2t (A ² S)	I^2t 400V (A ² S)
1	0,10	9,5	18,5
2	0,16	40	83
4	0,25	90	181
6	0,35	120	250
8	0,40	220	448
10	0,65	300	733

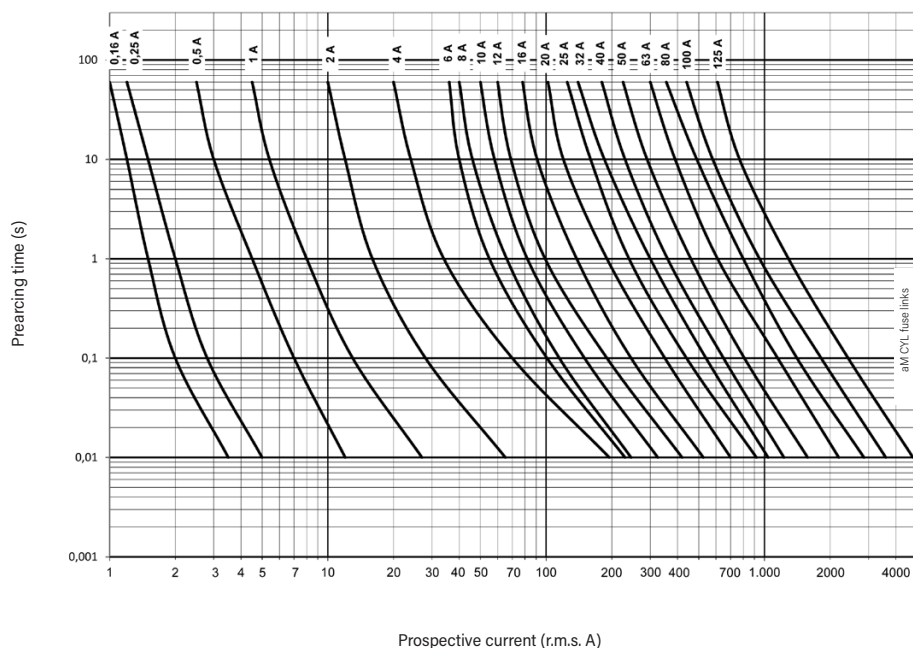
Ambient temperature derating factor



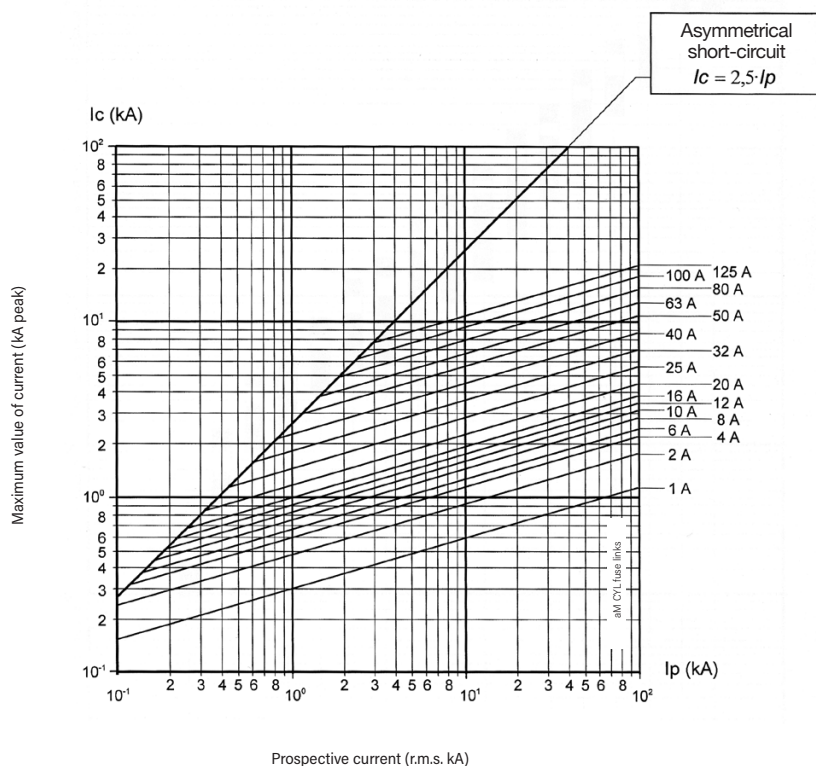
t_a (°C)	A_1
25	1,00
30	0,98
35	0,95
40	0,93
45	0,90
50	0,87
55	0,84
60	0,82
65	0,79
70	0,76
75	0,72
80	0,69



t-I characteristics



Cut-off characteristics





PROTECTING THE WORLD

HEAD OFFICE AND FACTORY

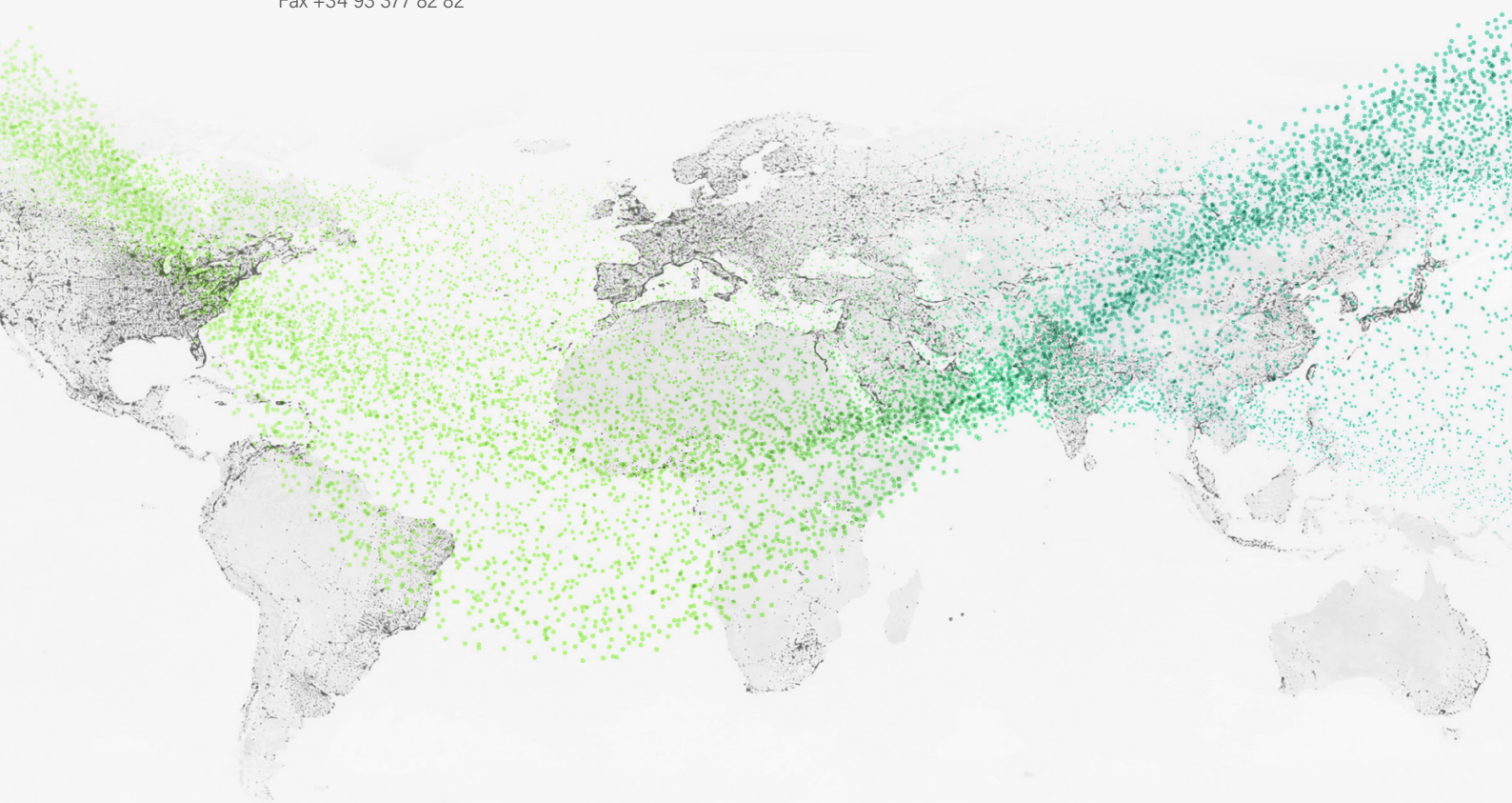
SILICI, 67-69
08940 CORNELLA DE LLOBREGAT
BARCELONA · SPAIN
Tel. +34 93 377 85 85
Fax +34 93 377 82 82

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



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.

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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