df Electric

CYLINDRICAL

FUSE LINKS & FUSE HOLDERS/BASES



aM
CYLINDRICAL
fuse links

CYL 10x38



8x32 10x38 14x51 22x58

PROTECTING THE WORLD

dfelectric.es



aM
CYLINDRICAL
fuse links

10x38

10x38

RATED VOLTAGE
500V AC
400V AC

RATED CURRENT
0,16A...32A

BREAKING CAPACITY
120kA

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 10x38 500V/400V 0,16A to 32A**

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.

RoHS COMPLIANT

Range

Un	BREAKING CAPACITY	In (A)	REFERENCE WITHOUT INDICATOR	REFERENCE WITH INDICATOR	PACKING Uni /BOX
					
500V	120kA	0,16	**440031**	–	10/100
		0,25	**440033**	–	10/100
		0,5	**440000**	–	10/100
		1	**440001**	**440101**	10/100
		2	**440002**	**440102**	10/100
		4	**440004**	**440104**	10/100
		6	**440006**	**440106**	10/100
		8	**440008**	**440108**	10/100
		10	**440010**	**440110**	10/100
		12	**440012**	**440112**	10/100
		16	**440016**	**440116**	10/100
400V	120kA	20	**440020**	**440120**	10/100
		25	**440025**	**440125**	10/100
		32	**440032**	**440132**	10/100



aM
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fuse links

10x38

Technical data

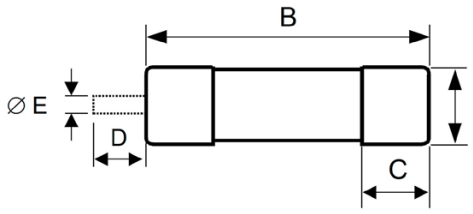
Rated voltage	500V +10% | 400V +10%
Rated current	0,16A...32A
Rated breaking capacity	120kA
Operating class	aM
Rated frequency	42…62Hz
Storage temperature	-40°C ... 90°C
Operating temperature *	-40°C ... 80°C

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

Standards

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

Dimensions



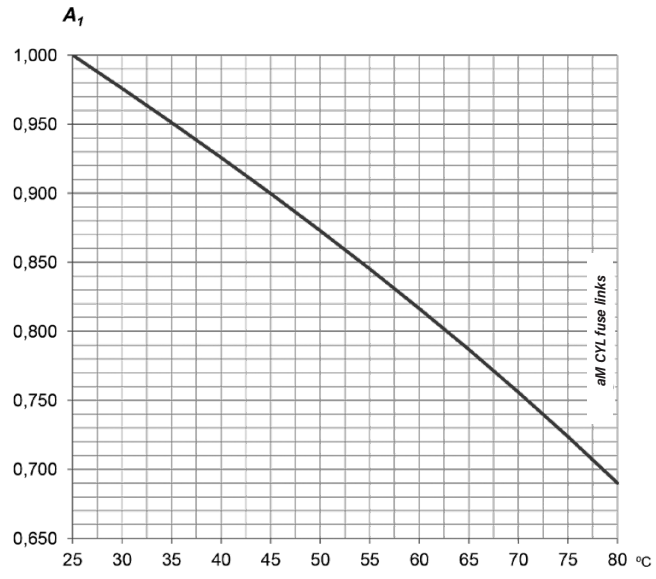
A	B	C
10,3	38	10

Weight 8gr

Power dissipation I²t Values

I_n	POWER DISSIPATION	PREARCING I^2t	I^2t 500V	I^2t 400V
(A)	(W)	(A^2S)	(A^2S)	(A^2S)
0,16	0,24	3,0	8,2	6,7
0,25	0,36	4,0	10,4	8,6
0,5	0,49	6,5	15,7	13,2
1	0,10	9,5	21,9	18,5
2	0,18	40	99	83
4	0,31	90	215	181
6	0,32	120	300	250
8	0,52	220	535	448
10	0,55	300	916	733
12	0,63	380	1173	936
16	0,85	550	2103	1608
20	0,95	950	3165	2488
25	1,25	1300	4851	3728
32	1,80	2500	7791	6207

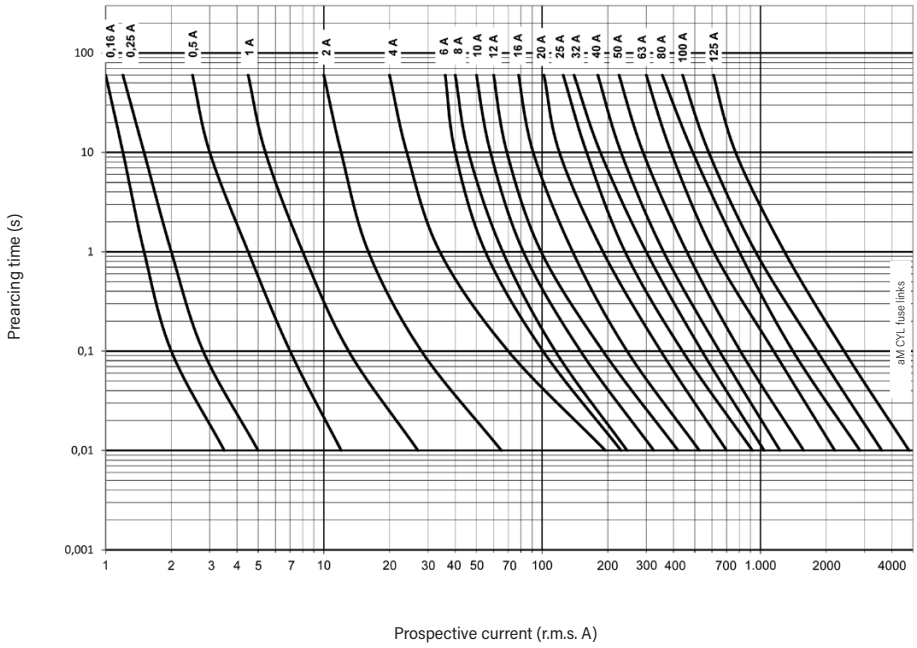
Ambient temperature derating factor



t_a	A_1
(ºC)	
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

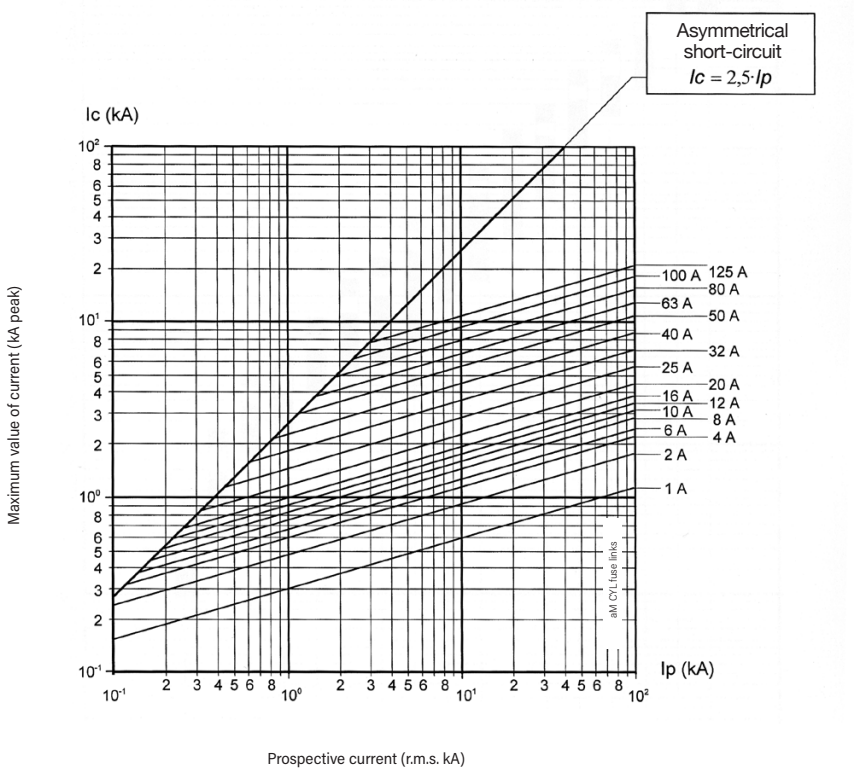


t-I characteristics



Prospective current (r.m.s. A)

Cut-off characteristics



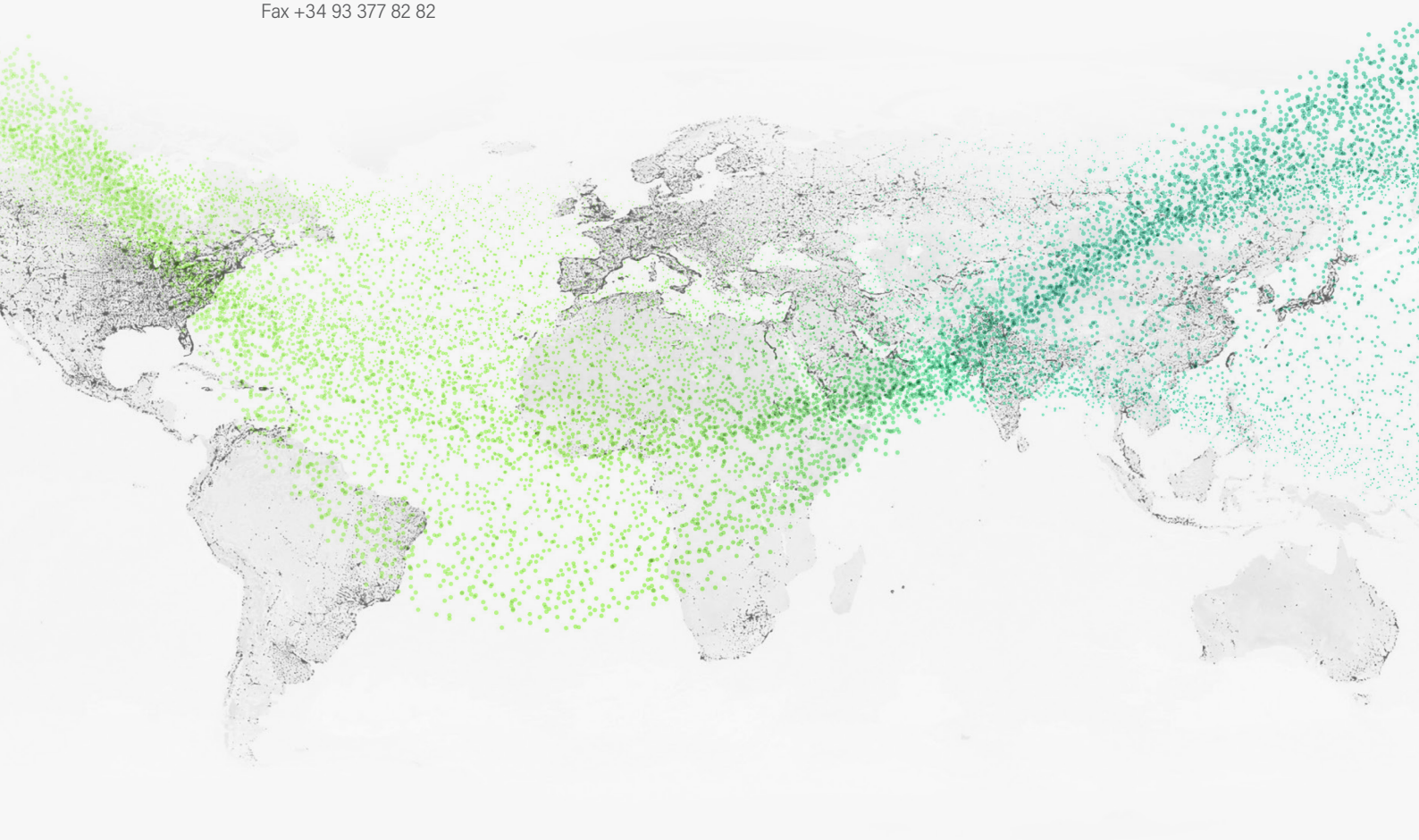
Prospective current (r.m.s. kA)

PROTECTING THE WORLD

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FABRICADO EN ESPAÑA
MADE IN SPAIN

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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