

CYLINDRICAL

FUSE LINKS & FUSE HOLDERS/BASES

aM CYLINDRICAL fuse links

CYL 10x38



8x32



10x38



14x51



22x58

PROTECTING
THE WORLD





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.



Range

U _n	BREAKING CAPACITY	I _n (A)	REFERENCE		PACKING Uni /BOX
			WITHOUT INDICATOR	WITH INDICATOR	
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	420106	10/100
		8	440008	440108	10/100
		10	440010	440110	10/100
		12	440012	440112	10/100
		16	420016	440116	10/100
		20	440020	440120	10/100
400V	120kA	25	440025	440125	10/100
		32	440032	440132	10/100



Technical data

Rated voltage	500V +10% 400V +10%
Rated current	0,16A...32A
Rated breaking capacity	120kA
Utilization category	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

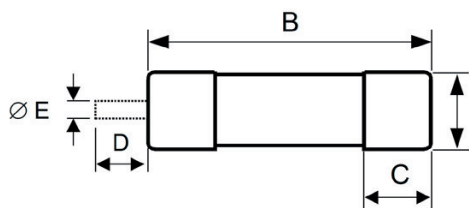
IEC/EN 60269-1
IEC/EN 60269-2
RoHS Compliant



Power dissipation

I_n	POWER DISSIPATION	PREARcing I^2t	I^2t 500V	I^2t 400V
(A)	(W)	(A²S)	(A²S)	(A²S)
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

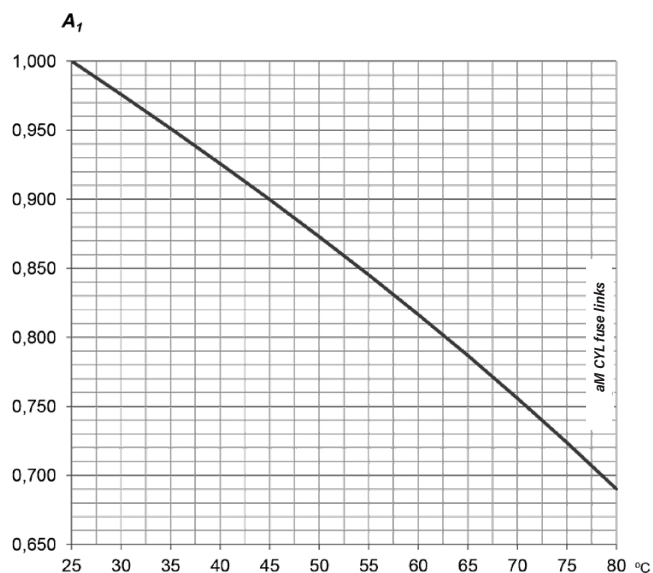
Dimensions



A 10,3
B 38
C 10

Weight 8gr

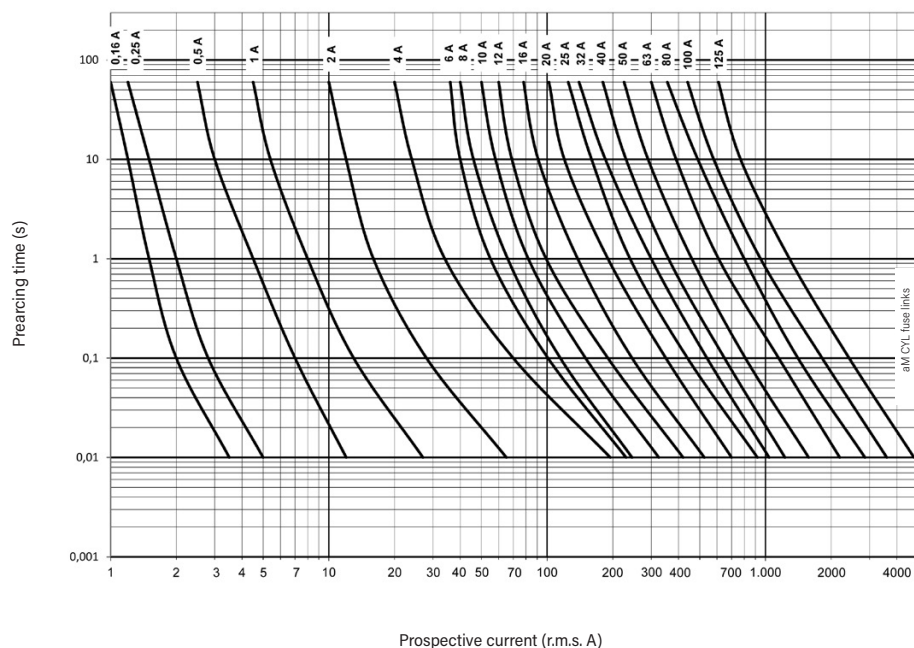
Ambient temperature derating factor



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

