

Medium voltage cylindrical fuse links

CYL



10x85



10x150



10x180

PROTECTING THE WORLD

Medium voltage cylindrical fuse links

MV cylindrical fuse links range comprise three sizes with dimensions 10x85, 10x150 and 10x180mm, with rated currents between 2A and 12A and rated voltages of 1500 V AC, 2500 V AC, 3200V AC and 5500 V AC.

They have a g breaking range (protection against overload and short-circuits) and are made with ceramic tubes having high breaking capacity and good withstand against thermal chock. Contacts are made in silver plated copper.

One of the applications of these fuse links are the protection of supply networks of public lighting at higher voltages (between 900V and 5.500V AC) usually used by means of special transformers designed for this purpose that increase the voltage for transportation and reduce it in the destination at adequate levels. These distribution networks allow energy transportation at very high distances with installations more economic and efficient.



Range

10x85

RATED VOLTAGE
1500V AC

RATED CURRENT
2A...12A

BREAKING CAPACITY
20kA



I_n (A)	REFERENCE	PACKING Uni /BOX
2	415005	4/24
3,15	415010	4/24
4	415015	4/24
5	415020	4/24
6,3	415025	4/24
8	415030	4/24
10	415035	4/24
12	415040	4/24

10x150

RATED VOLTAGE
2500V AC

RATED CURRENT
2A...12A

BREAKING CAPACITY
15kA



I_n (A)	REFERENCE	PACKING Uni /BOX
2	415105	4/24
3,15	415110	4/24
4	415115	4/24
5	415120	4/24
6,3	415125	4/24
8	415130	4/24
10	415135	4/24
12	415140	4/24

10x180

RATED VOLTAGE
3200V AC
5500V AC

RATED CURRENT
2A...12A

BREAKING CAPACITY
15kA 3200V AC
10kA 5500V AC



U (V AC)	I_n (A)	REFERENCE	PACKING Uni /BOX
3200	2	415205	4/24
	2,5	415210	4/24
	3,15	415215	4/24
	4	415220	4/24
	5	415225	4/24
	6,3	415230	4/24
	8	415235	4/24
	10	415240	4/24
5500	12	415245	4/24
	2	415305	4/24
	2,5	415310	4/24
	3,15	415315	4/24
	4	415320	4/24

Technical data

Rated voltage	10x85 → 1500V AC 10x150 → 2500V AC 10x180 → 3200V 5500V AC
Rated current	2A...12A
Rated breaking capacity	10x85 → 20kA 10x150 → 15kA 10x180 → 15kA ^{3200V} 10kA ^{5500V}
Operating class	g
Storage temperature	-40°C ... 90°C
Operating temperature *	-40°C ... 80°C

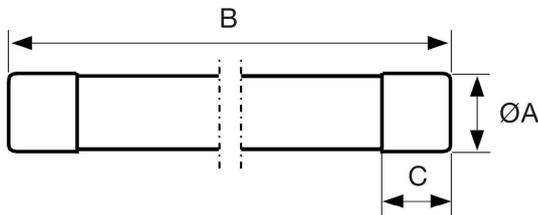
* For ambient temperatures higher than 25°C it is necessary to apply a derating in maximum current.

Standards

RoHS Compliant

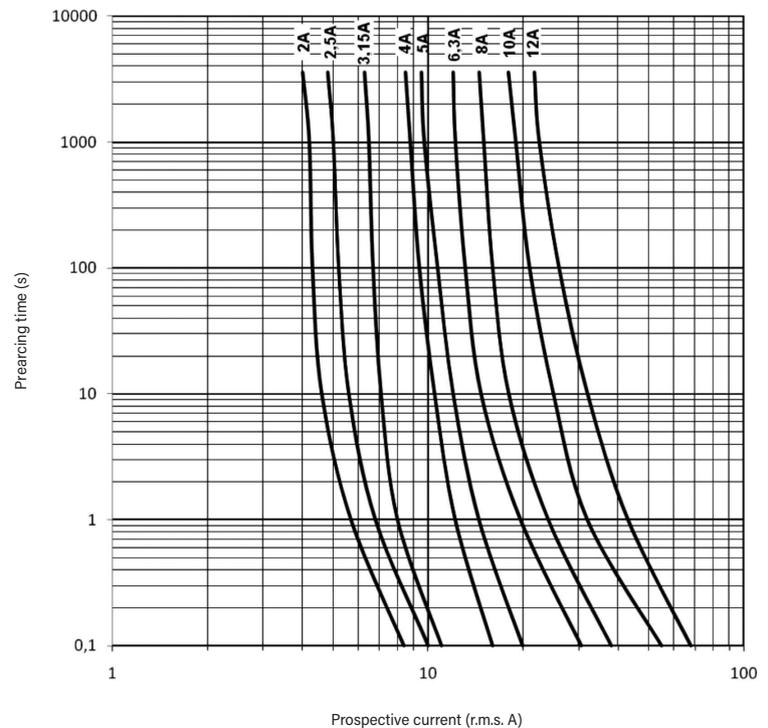


Dimensions



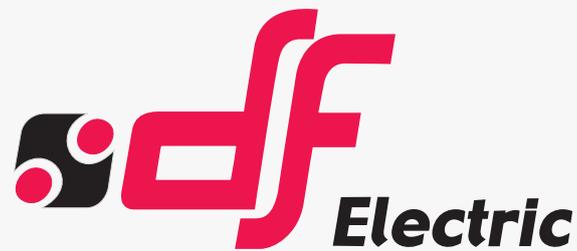
	A	B	C	Weight
10x85	10,3	85	10	14,5 gr
10x150	10,3	150	10	24 gr
10x180	10,3	180	10	28,5 gr

t-I characteristics



Power dissipation

SIZE	RATED CURRENT (A)	POWER LOSS 0,8 · In (W)	POWER LOSS In (W)	PREARcing I ² t (A ² s)	OPERATING I ² t at Un (A ² s)
10x85	2	0,9	1,6	2,5	3,3
	3,15	1,1	2,1	8,8	12
	4	1,2	2,2	23	31
	5	1,7	3	31	41
	6,3	2,2	3,3	63	85
	8	2,1	3,8	141	190
	10	2,5	4,6	235	316
	12	3,5	6,4	253	340
10x150	2	1,6	2,7	2,5	3,9
	3,15	2,1	3,6	8,8	14
	4	2,2	4	23	36
	5	2,9	5,3	31	48
	6,3	4	6	63	100
	8	3,6	6,5	141	222
	10	4,2	7,8	275	433
	12	5,9	11,1	314	494
10x180 3200V	2	1,7	3	2,5	4,4
	2,5	2,3	4	4	7,1
	3,15	2,5	4,3	8,8	16
	4	2,6	4,6	23	42
	5	3,6	6,6	3	55
	6,3	4,8	7,2	63	114
	8	5,8	8,2	141	254
	10	5	9,1	275	495
10x180 5500V	2	1,7	3	2,5	7
	2,5	2,3	4	4	11
	3,15	2,5	4,3	8,8	25
	4	2,6	4,6	23	65



PROTECTING THE WORLD

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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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