

## 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	<b>415005</b>	4/24
3,15	<b>415010</b>	4/24
4	<b>415015</b>	4/24
5	<b>415020</b>	4/24
6,3	<b>415025</b>	4/24
8	<b>415030</b>	4/24
10	<b>415035</b>	4/24
12	<b>415040</b>	4/24

10x150

RATED VOLTAGE  
2500V AC

RATED CURRENT  
2A...12A

BREAKING CAPACITY  
15kA



$I_n$ (A)	REFERENCE	PACKING Uni /BOX
2	<b>415105</b>	4/24
3,15	<b>415110</b>	4/24
4	<b>415115</b>	4/24
5	<b>415120</b>	4/24
6,3	<b>415125</b>	4/24
8	<b>415130</b>	4/24
10	<b>415135</b>	4/24
12	<b>415140</b>	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	<b>415205</b>	4/24
	2,5	<b>415210</b>	4/24
	3,15	<b>415215</b>	4/24
	4	<b>415220</b>	4/24
	5	<b>415225</b>	4/24
	6,3	<b>415230</b>	4/24
	8	<b>415235</b>	4/24
	10	<b>415240</b>	4/24
5500	12	<b>415245</b>	4/24
	2	<b>415305</b>	4/24
	2,5	<b>415310</b>	4/24
	3,15	<b>415315</b>	4/24
	4	<b>415320</b>	4/24

## Technical data

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

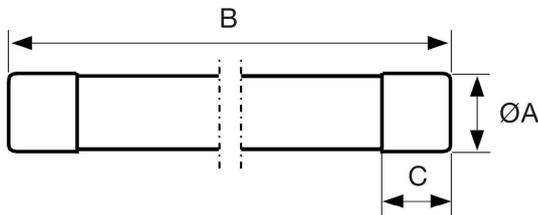
\* For ambient temperatures higher than 25°C it is necessary to apply a derating in maximum current.

## Standards

RoHS Compliant

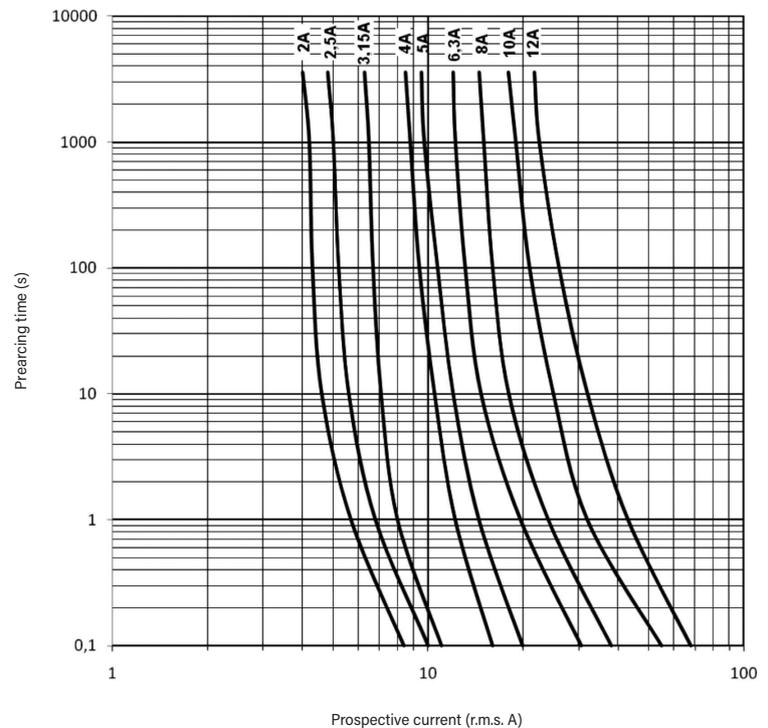


## Dimensions



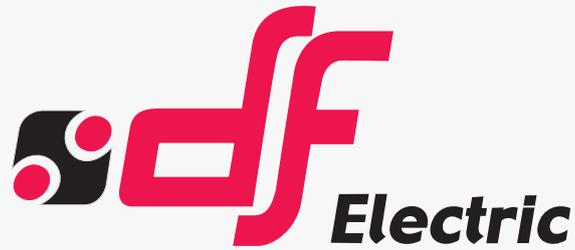
	A	B	C	Weight
<b>10x85</b>	10,3	85	10	14,5 gr
<b>10x150</b>	10,3	150	10	24 gr
<b>10x180</b>	10,3	180	10	28,5 gr

## t-I characteristics



## Power dissipation

SIZE	RATED CURRENT (A)	POWER LOSS 0,8 · In (W)	POWER LOSS In (W)	PREARcing I <sup>2</sup> t (A <sup>2</sup> s)	OPERATING I <sup>2</sup> t at Un (A <sup>2</sup> 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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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.



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