



FT18-32系列交流熔斷器及座 產品規格書





1. Application

This series fuse is suitable for AC 60Hz, rated voltage to 500 and 690V, rated current to 32A, for overload and short circuit protection in electrical wiring(gG/gL). The rated breaking capacity up to 100kA. They conform to IEC60269-2.

2. Construction Feature

The variable cross-section fuse body made by silver piece is sealed in the fusion tube which is made by the high strength porcelain or epoxy glass cloth pipe, there is full of the high-purity quartz sand processed after chemistry to take the extinguishing of arc medium in the tube, using a special chemical substance solidified quartz sand and ceramic into a whole, to play better on breaking capacity and arc extinction. The two sides of the fuse use the spot welding to electrically connected with the contact firmly.

3. Classification of products

The structure of the fuse is related to the operator, mainly divided into:

Fuses for full-time personnel;

Fuses used by unskilled persons.

Sort by breaking range and using categories:

① · Sort by breaking range

“g” fuse

② · Sort by using categories

“G” fuse

4. Range of breaking capacity and using categories:

Range of breaking capacity

“g” fuse - full range breaking capacity fuse;

Using categories

“gG “ - fuse for general use, full range breaking capacity;

5. Normal working conditions

Ambient air temperature:

The ambient air temperature shall not exceed 40°C;

The average ambient air temperature 24h shall not exceed 35°C;

The ambient air temperature shall not less than -5°C.



Altitude:

The installation site shall be no more than 2000m above sea level

Atmospheric condition

The relative humidity of the atmosphere is not exceed 50% when the ambient air temperature is 40°C; At lower temperatures, there can be a higher relative humidity (For example: the relative humidity can reach 90% at 20°C); the maximum monthly relative humidity of the wettest month is not exceed 90%,and the average temperature not exceed 25°C, and consider condensation on the products because of the changed temperature.

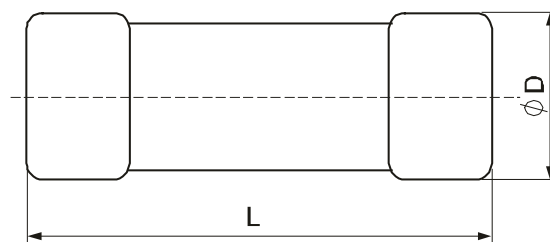
6. Characteristic

Rated Voltage

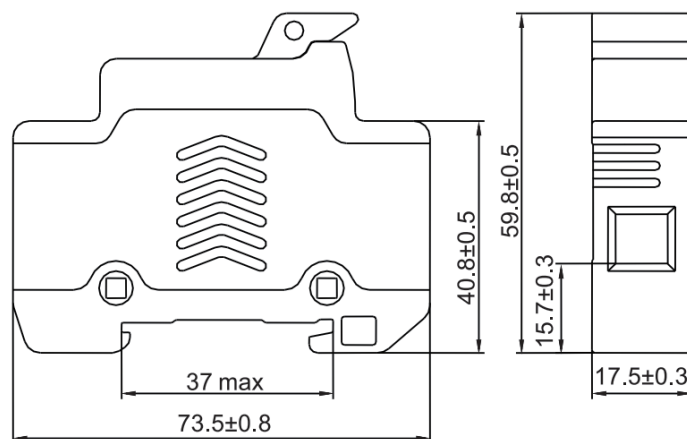
The rated voltage of AC fuse is recommended 500V 、 690V.

Basic parameter

Figure 1



Fuse Link	Rated voltage (V)	Rated current (A)	Overall dimension (mm)		Dissipated power (W)
			Drawing	D×L	
F015	500V 690V	2 、 4 、 6 、 8 、 10 、 12 、 16 、 20 、 25 、 30 、 32	1	10×38	≤3



Fuse holder	A1	A2	B	H1	H2	d
FT18-32	73.5	59.8	17.5	10.8	37Max	-

With LED Model : FT18-32X

7. Test mode :

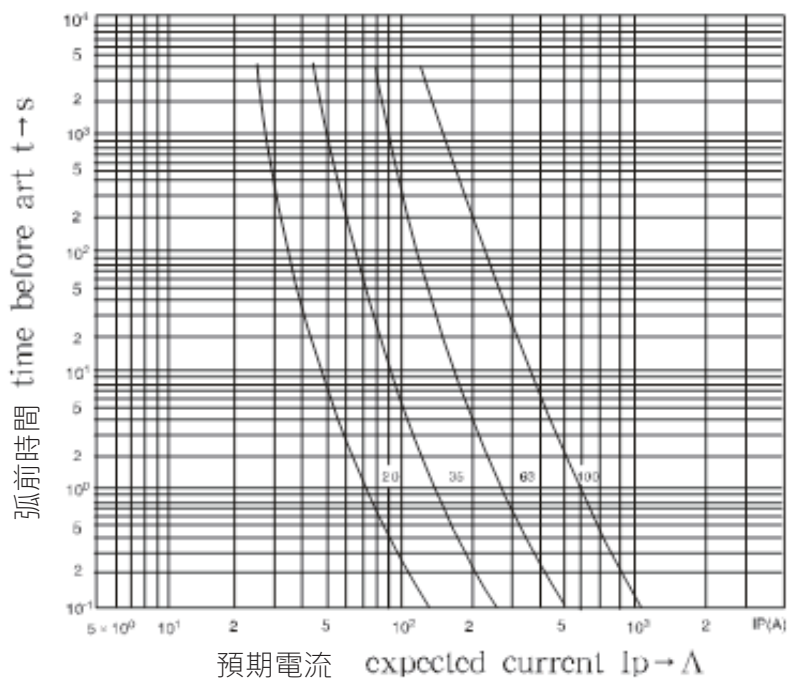
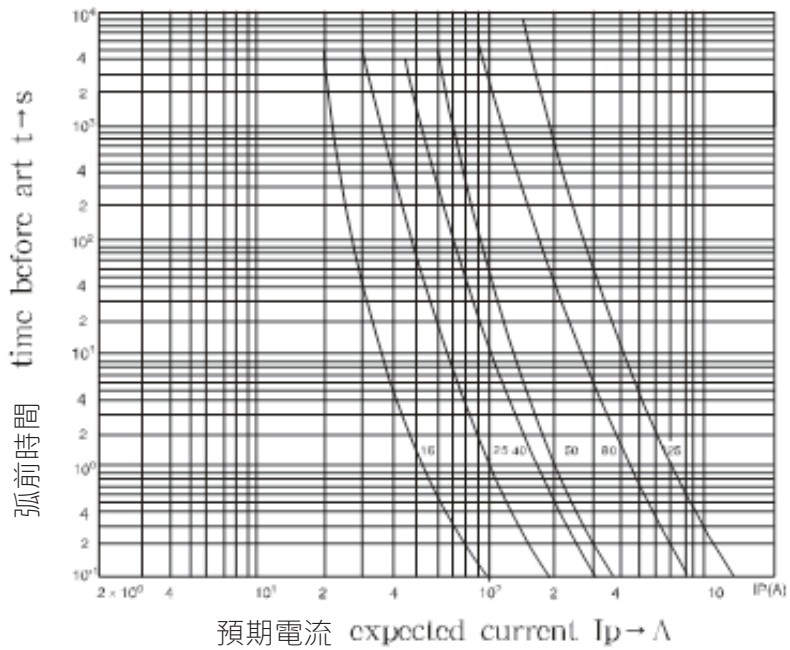
Contract time and current

Contract time and current of fuse “gG” and “gM

Rated current of fuse “gG”	Contract time (h)	Contract current	
		I _{nf}	I _f
I _n ≤ 4	1	1.5I _n	2.1I _n
4 < I _n < 16	1	1.5I _n	1.9I _n
16 ≤ I _n ≤ 63	1	1.25I _n	1.6I _n
63 < I _n ≤ 160	2		



8. Fusing characteristic curve :





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