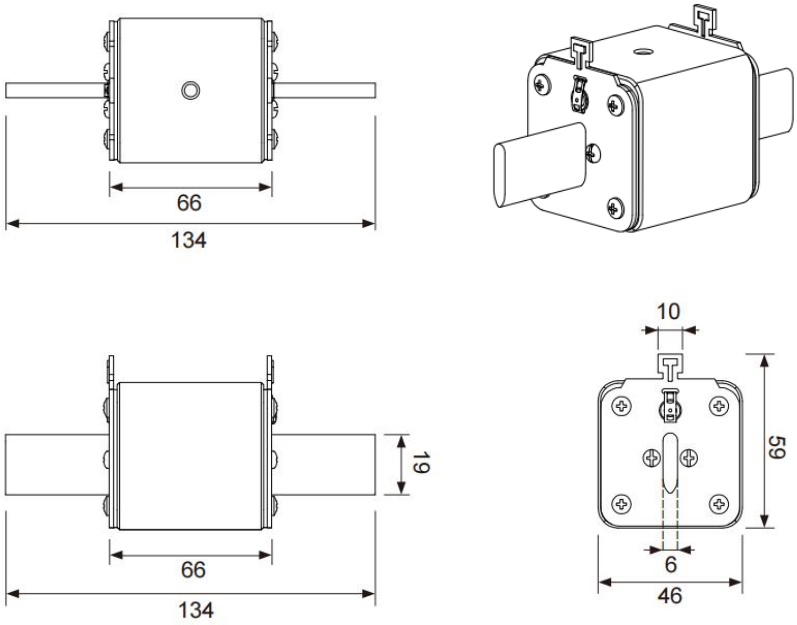
1. Product overview

This series of fuses are mainly used as overload and short circuit protection (gG) for electrical lines, with rated voltage of AC500V / 690V, rated current of 160A-250 A, and rated capacity of 80 / 120 kA, and the products meet the national standards.

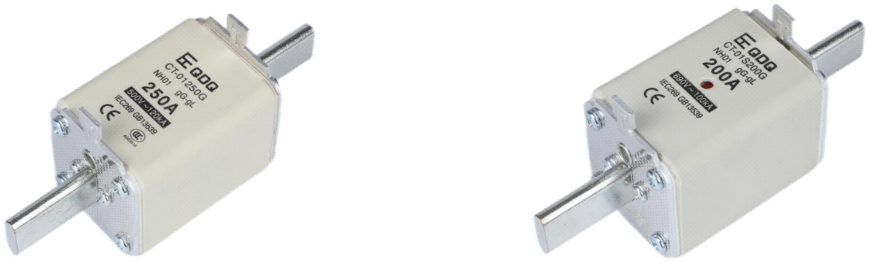
2. design feature

The product consists of copper contact, melt pipe, melt: pure copper sheet (or wire), filler, etc. Melt made of pure copper sheet (or wire) variable section melt encapsulated in the melt pipe made of high strength ceramic, melt pipe filled with high purity quartz sand as arc extinguishing medium, melt both ends with spot welding process and contact connection insert structure, fuse with indicator or impactor, when the fuse fuse, indicator / impactor immediately action, with indicator will show the fuse has fuse state, with impactor, impactor will push micro switch, various signals or automatic switching circuit.

3. A 2D dimensional diagram



Product physical picture



4. Bill of materials for product parts

Table 1

Key component name	Material name
fusant	Copper (or silk)
contact	copper
fusion tube	pottery and porcelain
filling	ShiYing sand

5. technical parameter

Table 2

characteristic	rated current (A)	Rated AC voltage (V)
gG	160-250	500V/690V

6. Working environment and storage

1. Normal working conditions

   a. The upper limit does not exceed + 40℃;

   b. The lower limit value is not lower than-15℃;

   c. The average value within 24 hours shall not exceed + 40℃;

2. Atmospheric conditions

The air is clean, and its relative humidity does not exceed 50% at a maximum temperature of 40℃, and can be achieved at lower temperatures There is high relative humidity, for example, up to 90% at 20℃, under these conditions where moderate condensation may occur by chance due to temperature changes.

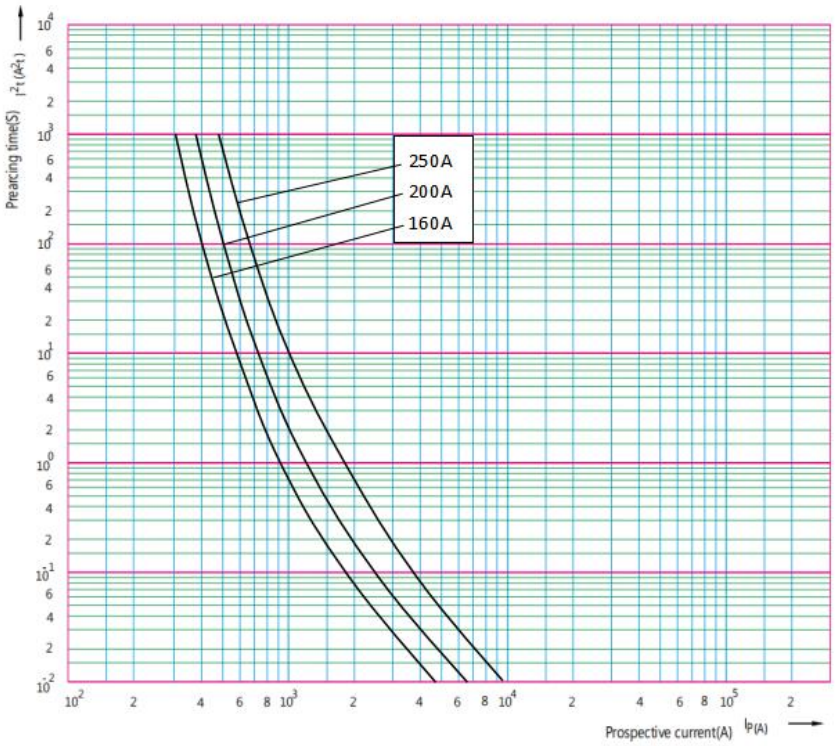
3. Storage

The product shall be protected from the rain and snow during storage. It must be stored in the air circulation, air relative humidity not more than 80%, temperature not higher than 40℃ and not less than-10℃ environmental conditions, to prevent moisture.

七、Model list

Table 3

current (A)	gG 500V/120Ka	gG 690V / 80Ka band indication
100A	CT-01160G	CT-01 S160G
125A	CT-01200G	CT-01 S200G
160A	CT-01250G	CT-01 S250G


Prearcing time(S) I²t (A²t)
250A
200A
160A
Prospective current(A) Ip(A)