

High Voltage Current Limiting Fuse

Current Limiting Fuse Function

The high voltage current limiting fuse is an overload protection and short circuit protection device used for electric motors, transformers and other electrical equipment. The fuse is mainly composed of a fuse tube, a contact seat pillar insulator and a base. The fuse tube consists of a melt tube (porcelain tube), end cover, top cover, ceramic core, melt and quartz sand. The fuse tube is made of talc ceramic or high frequency ceramic, which has high mechanical strength and heat resistance. The fuse tube is not only the main component of the arc extinguishing device, but also plays a role in supporting and protecting the melt. The end cap is made of copper, and the melt contacts the contact seat through the end cap to form a conductive circuit. The top cover is also made of copper and is used to close the fuse tube. The quartz sand filled into the fuse tube forms a large number of small solid medium slits and grooves, which divide, cool and surface adsorb (charged particles) the arc. At the same time, the sudden increase in gas pressure in the gap also exerts a strong deionization effect on the arc, so the arc is quickly extinguished.



This kind of fuse is a high voltage current limiting type, which has the advantages of small size, light weight, good arc extinguishing performance, strong current limiting ability, and large current breaking capacity.



Model No. And Meaning

