

应用说明 Application

FFM 型防护电容器可与高压电阻串联构成 RC 过电压吸收装置，适用与交流 35KV 输配电系统中吸收因真空断路器(或其它不重击穿开关)开合时产生的过渡过电压，以保护系统内高压电器产品受电压的损害，本产品还可当作高压电容在其他场合下使用。

FFM model protection capacitor with high voltage resistance in series being RC is composed of voltage absorption device, it fits well with 35kv electric system. due to vacuum breaker (or other non-heavy switch), it produces the transition voltage to protect the product with high voltage from damaging, it is also used on other occasions with high voltage capacitor.

主要技术指标 main technique in design

1. 电容偏差 -5~+10%;
 2. 损耗角正切值 $\tan \delta < 0.05\%$;
 3. 电介质的电容强度 2.15 μ , 历时 1min;
 4. 其余技术要求均按照《GB.T4704-32 高压并联电容器》。
1. Capacitance Deviation: -5~+10% ;
 2. Tangent of Loss Angle $\tan \delta < 0.05\%$;
 3. Electrical Strength of Dielectric Medium 2.1 5 μ Last a period of time: 1min;
 4. The other technology requirements are according to "GB.T4704-32 High Voltage Shunt Capacitor".

使用条件 service condition

1. 防护电容器安装运行的海拔高度不超过 1000m，环境空气温度为-40~+40℃。相对湿度不大于 90%。
2. 安装场所应无腐蚀气体、蒸气和导电性或爆炸性尘埃，并无剧烈的机械振动。
3. 电容器投入运行时，其端子上的剩余电压不超过额定电压的 10%。

4. 过载荷

4.1 稳定过电压

续运行电压时 1.00 μ n，并能在 1.2 μ n，工频过电压下长期运行。

4.2 操作过电压

电容器的承受不重击穿开关所产生的 1.5 μ n 的过渡过电压(峰值)。

4.3 稳态过电流

电容器能在 1.5In 稳态过电流下运行，这个过电流是由于谐波及，最大容差和高至 1.2In 的过电流共同作用的结果。

1.Height a bove sea level of capacitor's installation and

shipping is not more than 1000m. Env ironmental air

temperature is-40 °C ~+40 °C Relative humidity is not more than 90% ;

2.There is no corruption gas,smoke,conductive or explosive dust,acute machine tremor in iastallation

location no harmful gas or smoke.no conductive performance or acute tremor;

3.When cap a citors run,the spare voltage of its terminal is not more than10% of rated voltage;

4.Over Loading

4.1 Stabilization Voltage

Stabilization voltage can continuously run ac the Voltage of 1.00 μ n and can also lastingly run at the industrial frequency voltage of 1.2 μ n.

4.2 Operated Voltage

The bearing capacitor should not heav ily punch switch produced transition Voltage of 1.5 μ n(buzzing value).

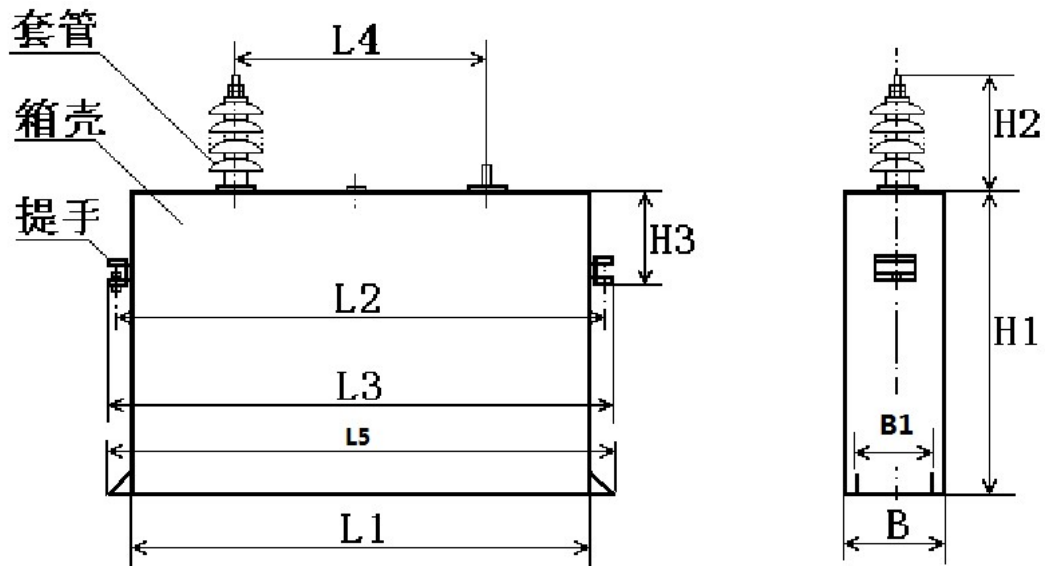
4.3 Steady State Electricity

Capacitor can be operated underthe 1.5In steady current. Duetcits harmonious wave,the result of current caused the max difference and height of 1.2In together.

主要技术数据 man technical characterisetics

序号 code	产品型号及规格 Types&models	额定电压 Rated voltage (kv)	额压电流 Rated capacity (A)	额定电容 Rated capacity (μ F)	相数 Number of phases
1	FFM24 \sqrt 3 - 0.26	24 \sqrt 3	1.1	0.26	1

安装尺寸:



L1=380mm L2(安装孔)=440mm L3=380+45x2mm L4=230mm

H1=520mm H2=420mm H3=140mm B=180mm

注: 尾号 "1" 表示单相, "3" 表示三相, 带 "G" 表示在高原地区 本公司可根据客户的需求订做不同规格尺寸的产品。

Note: 1 means single phase, 3 means three-phase, G means using in tableland area. Our company may have different dimension and specification products made to order according to clients' requirement.