

## Capacitor main defect factor table

Points	Defect factor
Using environment	1) Over-voltage. In case of capacitor ambient temperature is higher than permission ambient temperature. > High voltage power capacitor -20°C ~ 40°C > Low voltage power capacitor -25°C ~ 55°C 2) Dust sticking. Arc by bad contact, abnormal noise.
Installation	1) Over heat by loose wire connection. 2) Unsuitable interval in parallel installation. 3) Over capacity(over leading). 4) Differential with series reactor capacity. 5) Switch incongruence. 6) Radiation from heating element of transformer and series reactor.
Abnormal voltage	1) Surge voltage from lightning, circuit breaker, switch. 2) Short and grounding fault in system.
Treatment	1) Very frequently used for make and break. 2) Make and break in short time(re-input minimum time). > High voltage power capacitor : more than 5 min > Low voltage power capacitor : more than 3 min
External cause	Contact with small animal and conductivity material
Nature trouble	Shorten life