

Which capacitors should be used in a 400 volt distribution network?

We recommend using capacitors with higher nominal voltage than the nominal voltage of the distribution network. In a 400 V distribution network, we recommend capacitors with a nominal voltage of 440 V and capacitors with a nominal voltage of 480 V for detuned power factor correction with reactors.

What causes a low voltage capacitor?

This effect may be caused by the usage of non-linear devices (generation of higher harmonics), low short-circuit power of voltage sources (voltage fluctuation), etc. We recommend using capacitors with higher nominal voltage than the nominal voltage of the distribution network.

Can a power capacitor cause resonant circuit?

Systems with higher harmonics content may be sensitive to create resonant circuit between power capacitors and inductance of a transformer and may cause damage of an electrical system. The solution is to use detuned PFC which combines power capacitors with detuning reactors.

CHINT Electric is always committed to self-reliance innovation and has developed a wide range of world's leading low-voltage electrical products with its proprietary intellectual property rights. CHINT, an owner of hundreds of patents worldwide, successively undertook the key scientific and Technical projects specified in the 8th, 9th and 10th ...

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Kampala Low Voltage Capacitor Company Recommendation

Klenex Engineering Limited is an Electro-Mechanical Engineering Services Company based in Industrial Area- Kampala -Uganda. We offer Engineering and Consultancy services. We distribute and support a wide range of Power Systems Equipment, supply of genuine spare parts, at competitive prices.

Depending on the dielectric, ceramic capacitors derate based on the DC voltage applied. The higher the voltage rating compared to the applied DC voltage, the less they derate. So you will have more effective capacitance ...

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