

Racks and cubicles for capacitor banks

COMPOSITION

Possible components of medium voltage capacitor banks:

- Capacitors
- Additional accessories (discharge reactors, damping reactors and detuned reactors)
- Built-in electrical protection devices (HRC fuses, unbalance protection devices, etc.)
- Operating devices (circuit breakers, switches, contactors, etc.)
- Power factor controllers for automatic capacitor banks

They can be fitted and wired:

- On open racks (IP 00)
- In cubicles (IP 21 or IP 23 IK 05) (other degrees of protection on request).

These assemblies are designed for:

- Indoor type installation
- Outdoor type installation

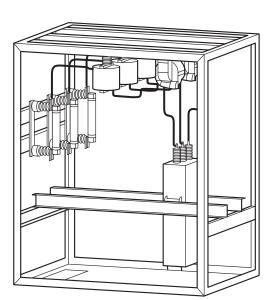
ALPES TECHNOLOGIES offers various standard or specific equipment to meet your requirements.



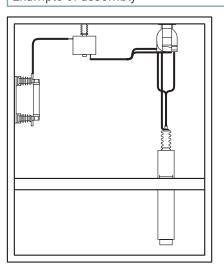
INSTALLATION EXAMPLES

Fixed type - Delta configuration

• Max. voltage: 12 kV • Max. power: 2500 kVAr • Installation: indoor or outdoor

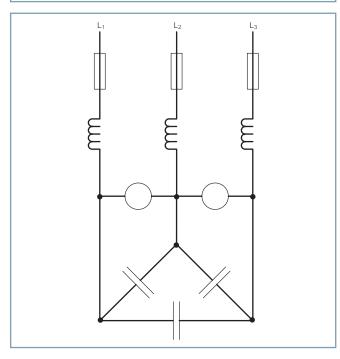


Example of assembly



• Possible components: damping reactors, discharge reactors, HRC fuses, earthing switch, detuned reactor, etc.

• Max. dimensions (mm): 2000 x 2000 H = 2200





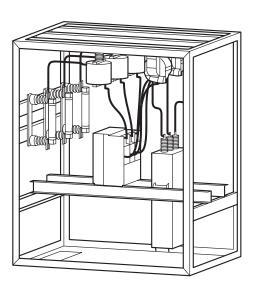
Racks and cubicles for capacitor banks (continued)

INSTALLATION EXAMPLES

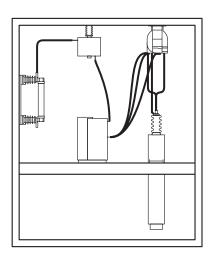
Fixed type with contactors - Delta configuration

Max. voltage: 12 kVMax. power: 2500 kVAr

• Installation: indoor or outdoor

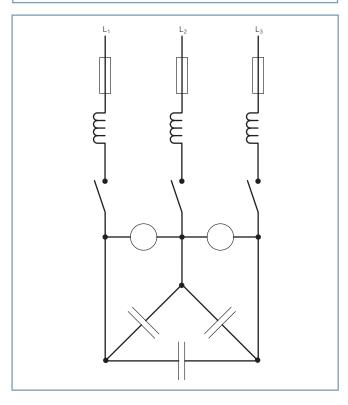


Example of assembly



Possible components:
damping reactors, discharge reactors, contactors, HRC
fuses, power factor relays, detuned reactor, etc.

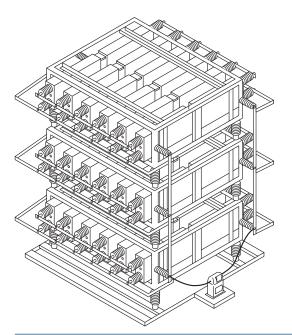
• Max. dimensions (mm): 2000 x 2000 H = 2200



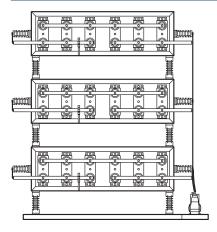
Fixed type - Double star configuration

• Max. voltage: 36 kV • Max. power: 20,000 kVAr Installation: indoor or outdoor

With or without serial group per branch

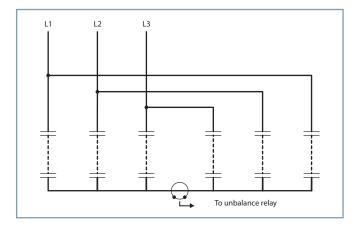


Example of assembly



Possible components: damping reactors, discharge reactors, unbalance relays, unbalance current transformers, etc.

• Max. dimensions (mm): 3500 x 2000 H = 4000





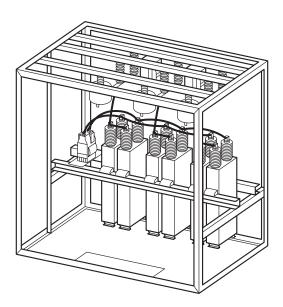
Racks and cubicles for capacitor banks (continued)

INSTALLATION EXAMPLES

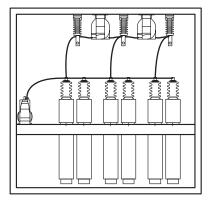
► Fixed type – Double star configuration

Max. voltage: 24 kVMax. power: 5000 kVAr

• Installation: indoor or outdoor



Example of assembly



• Possible components: damping reactors, discharge reactors, unbalance current transformers, unbalance relays, etc.

• Max. dimensions (mm): 2500 x 2000 H = 2200

