

VACUUM INTERRUPTER FOR CONTACTOR

HFTJC-12/630-6.3B



Features

- Rated voltage 12kV
- Rated breaking current 5kA
- Mechanical endurance 600000ops
- Oil free welding
- High voltage resistance, high making current, long life time, low loop resistance

MAIN TECHNICAL SPECIFICATION

Rated voltage	12kV
Rated current	630A
Rated frequency	50/60Hz
Rated short-time power frequency withstand voltage(1min)	48kV*
Rated lightning impulse withstand voltage	85kV*
Max. rated breaking current	5kA
Min. rated breaking current	80A
Limit breaking current	6.3kA
Rated short-circuit making current	6.3kA
Rated short-time withstand current	6.3kA
Rated duration of short-circuit	4s
Rated single capacitor bank breaking current	630A
Rated back to back capacitor bank breaking current	400A
Electrical endurance AC-3	300000ops
Electrical endurance AC-4	200000ops
Mechanical endurance	600000ops
Clearance between open contacts	6±1mm
Contacts closing force due to contact self-closing force and atmosphere	80±30N
Contact Counter force at rated clearance	120±30N
Circuit resistance at Min. Rated contact force	≤120μΩ
Internal gas pressure	≤5×10 ⁻⁴ Pa
Acceptable contact burning loss thickness	3mm
Weight of moving parts	0.5kg
Service life	20 years

Notes: * Transformer oil or other same types of insulating mediums

SPECIFICATION FOR MATCHED SWITCHGEAR

Rated contact force	130±10N
Average opening speed	0.7±0.3m/s
Average closing speed	0.3±0.1m/s
Contact bouncing duration at closing operation	≤2ms
Contact rebounding amplitude during opening operation	≤2mm
Three-pole simultaneity	≤1ms

OUTLINE DRAWING

Unit: mm

