

VACUUM INTERRUPTER FOR LOAD SWITCH

HFTF-12-630-25A



Features

- Rated voltage 12kV
- Rated short-circuit making current 63kA
- Mechanical endurance 10000ops
- 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 |
| Rated short-circuit making current | 63kA |
| Rated short-circuit carrying current | 25kA |
| Rated peak carrying current | 63kA |
| Rated duration of short-circuit | 4s |
| Rated closed-loop breaking current | 630A |
| Rated active load breaking current | 630A |
| Rated cable-charging breaking current | 10A |
| Rated single capacitor bank breaking current | 400A |
| Mechanical endurance | 10000ops |
| Clearance between open contacts | 9±1mm |
| Contacts closing force due to contact self-closing force and atmosphere | 80±50N |
| Contact Counter force at rated clearance | 120±50N |
| Circuit resistance at Min. Rated contact force | ≤30μΩ |
| Internal gas pressure | ≤5×10 ⁻⁴ Pa |
| Acceptable contact burning loss thickness | 3mm |
| Weight of moving parts | 0.6kg |
| Service life | 20 years |

SPECIFICATION FOR MATCHED SWITCHGEAR

| | |
|---|------------|
| Rated contact force | 1000±50N |
| Average opening speed | 1.1±0.2m/s |
| Average closing speed | 0.6±0.2m/s |
| Contact bouncing duration at closing operation | ≤2ms |
| Contact rebounding amplitude during opening operation | ≤2mm |
| Three-pole simultaneity | ≤1ms |

OUTLINE DRAWING

Unit: mm

