

VACUUM INTERRUPTER FOR LOAD SWITCH

HFTF-12/630-20H



Features

- Rated voltage 12kV
- Rated short-circuit making current 50kA
- Mechanical endurance 10000ops
- Oil free welding
- High voltage resistance, high making current, long life time, low loop resistance

MAIN TECHNICAL SPECIFICATION

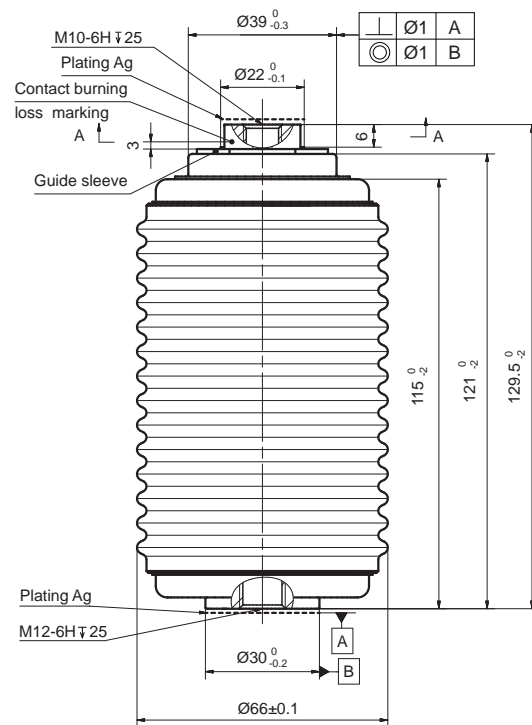
Rated voltage	12kV
Rated current	630A
Rated frequency	50/60Hz
Rated short-time power frequency withstand voltage(1min)	48kV
Rated lightning impulse withstand voltage	85kV
Rated short-circuit making current	50kA
Rated short-circuit carrying current	20kA
Rated peak carrying current	50kA
Rated duration 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	6±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	0.4kg
Service life	20 years

SPECIFICATION FOR MATCHED SWITCHGEAR

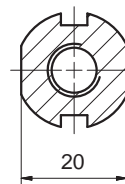
Rated contact force	800±50N
Average opening speed	1.0±0.2m/s
Average closing speed	0.6±0.2m/s
Contact bouncing duration at closing operation	≤2ms
Contact rebounding amplitude during opening operation	≤2mm
Three-pole simultaneity	≤1ms

OUTLINE DRAWING

Unit: mm



A-A



HONGFA VACUUM INTERRUPTER

This datasheet is for customers' reference, all the specifications are subject to change without notice. Please contact Hongfa for the technical service if any query.