

# VACUUM INTERRUPTER FOR CONTACTOR

## HFTJC-12/630-6.3C



### 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

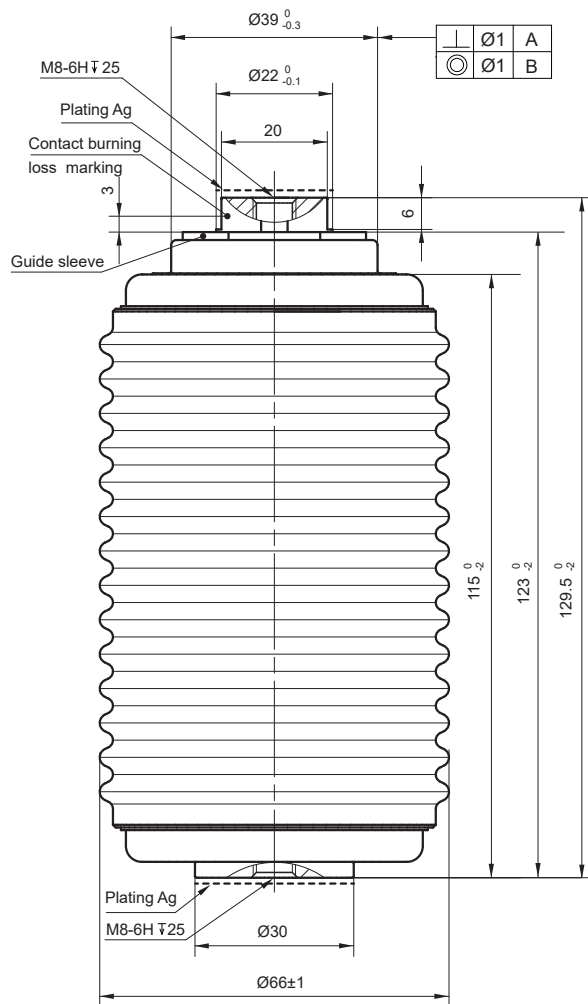
Rated voltage	12kV
Rated current	630A
Rated frequency	50/60Hz
Rated short-time power frequency withstand voltage(1min)	42kV
Rated lighting impulse withstand voltage	75kV
Max. rated breaking current	5kA
Min. rated breaking current	80A
Limit breaking current	6.3kA
Rated short-circuit making current	6.3kA
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 <sup>-4</sup> Pa
Acceptable contact burning loss thickness	3mm
Weight of moving parts	0.4kg
Service life	20 years

### 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



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.