HFTF-12/630-25D

Features

- Rated voltage12kV
- 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

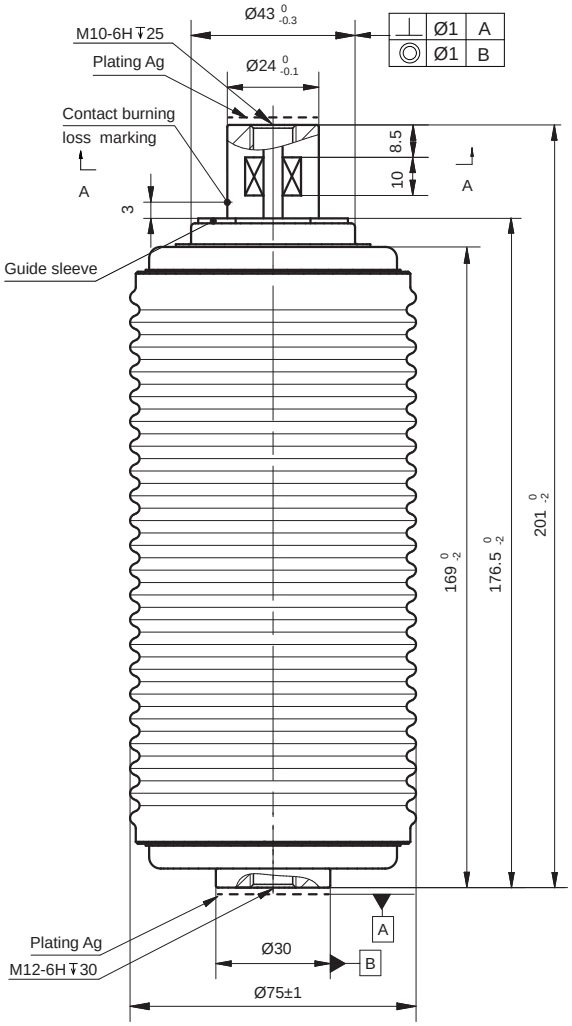
Rated voltage	12kV
Rated current	630A
Rated frequency	50/60Hz
Rated short-time power frequency withstand voltage(1min)	48kV
Rated lighting impluse withstand voltage	85kV
Rated short-circuit making current	63kA
Rated shot-circuit carrying current	25kA
Rated peak carrying current	63kA
Rated duration of 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 required for matched switchgear

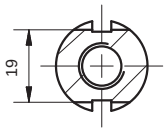
Added contact force	1000±50N
Average opening speed	1.0±0.2m/s
Average closing speed	0.6±0.2m/s
Contact bouncing duration at closing operation	≤2ms
Contact bouncing back amplitude of opening operation	≤2mm
Three-phase simultaneity	≤1ms

OUTLINE DRAWING

Unit: mm



A-A



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.