

VACUUM INTERRUPTER FOR CIRCUIT BREAKER

HFTD-12/1250-40A HFTD-12/1600-40A

RoHS compliant



Features

- Rated voltage 12kV
- Rated short-circuit breaking current 40kA
- Mechanical endurance 10000ops
- One-time seal and exhaust technique
- Cu-Cr contact
- High insulation, small volume and long lifetime

MAIN TECHNICAL SPECIFICATION

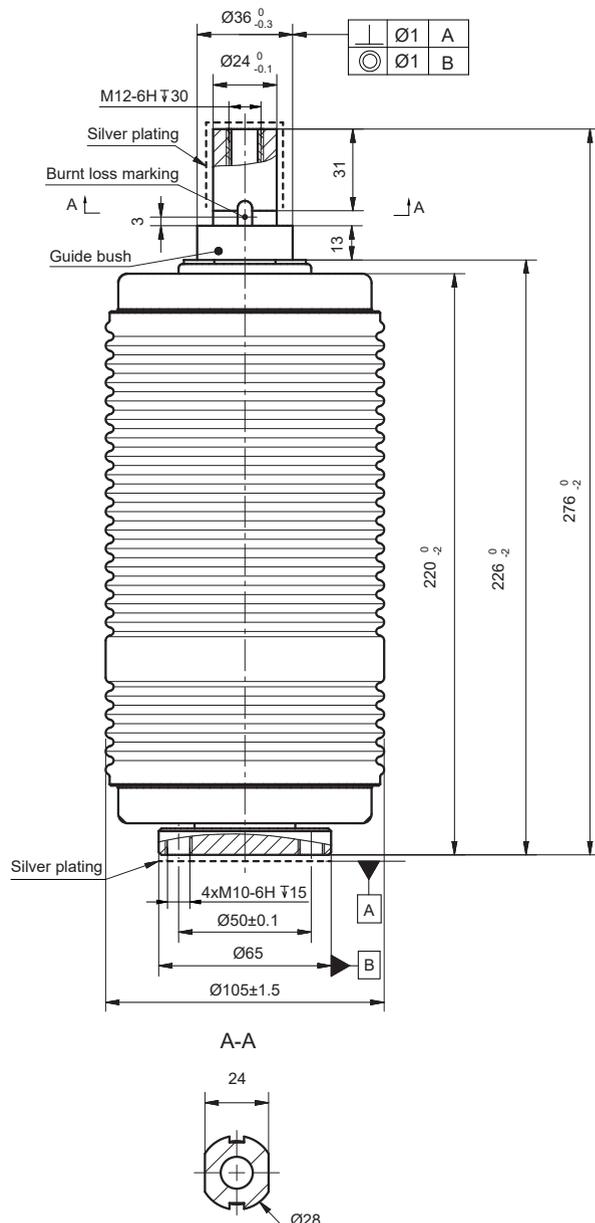
Rated voltage	12kV
Rated current	1250/1600A
Rated frequency	50/60Hz
Rated short-time power frequency withstand voltage(1min)	48kV
Rated lightning impulse withstand voltage	85kV
Rated short-circuit breaking current	40kA
Rated short-circuit making current	100kA
Rated short-time withstand current	40kA
Rated withstand current (peak value)	100kA
Rated duration of short-circuit	4s
Breaking operations under rated short-circuit breaking current	30ops
Max. DC-component	50%
Rated breaking current of single capacitor bank	630A
Rated breaking current of back to back capacitor bank	400A
Mechanical endurance	10000ops
Clearance between open contacts	9±1mm
Contact closing force due to bellows and atmosphere	150±50N
Contact counter force at rated clearance	200±60N
Circuit resistance at lowest rated contact force	≤15μΩ
Internal gas pressure	≤5×10 ⁻⁴ Pa
Contacts limit erosion	3mm
Weight of moving parts	1.2kg
Storage life	20years

SPECIFICATION FOR MATCHED SWITCHGEAR

Rated contact force	4300±300N
Average opening speed	1.1±0.2m/s
Average closing speed	0.8±0.2m/s
Contact bouncing on closing	≤2ms
Contact rebound distance on opening	≤2mm
Three-phase simultaneity	≤2ms

OUTLINE DRAWING

Unit: mm



Notes:

- (1) The movable stem of the VI could be only suffering a torque no more than 45N·m and in order not to damage the metal bellows, the movable stem should be prevented from roation when assembling.



HONGFA VACUUM INTERRUPTER

ISO9001、ISO14001、OHSAS18001、IECQ QC 080000 CERTIFIED