

Hubei Jucro Electric CO., LTD.

ADD: 5-1-2103, No.169-5, Tiychang North Rd., 443000, Yichang, Hubei, P.R.CHINA.

Website: www.jucro.com

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Model No.: JTD-12/1250-20

Main technical parameters

Items	Value
Rated voltage	12kV
Rated current	1250A
Rated frequency	50Hz
Rated power frequency withstand voltage (1 min)	42kV
Rated lightning impulse withstand voltage	75kV
Rated short circuit breaking current	20KA
Rated short circuit making current(peak value)	50KA
Breaking operations under rated short circuit breaking current	30 times
Rated short time withstand current	20kA
Rated withstand current(peak value)	50kA
Rated duration of short circuit	4s
Mechanical life	20000 times
Closing force due to bellows and atmosphere	70±40N
Force required to hold contacts opening at full stroke	120±50N
Circuit resistance at lowest rated contacts force	≤35μΩ
Storage life	20 years
Limiting abrasion of contacts	3mm
Weight of moveable parts	≤0.7kg

Mechanical requiements of vacuum circuit breaker

Items	Value
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Clearance between opening contacts	$7\pm1\text{mm}$
Average opening speed	$1.0\pm0.25\text{ m/s}$
Average closing speed	$0.65\pm0.15\text{ m/s}$
Rated contacts pressure	$1600\pm100\text{N}$
Contacts bouncing duration at closing operation	$\leq 2\text{ms}$
Contacts re-bouncing clearance at opening operation	$\leq 2\text{mm}$
Synchronism of three phases	$\leq 1\text{ms}$