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Vacuum Interrupter for Circuit-Breaker

Unit

k٧

k٧

k٧

Ηz

А

kΑ

s

kΑ

kΑ

kΑ

Operations

А

А

Operations

mm

Ν

Ν

μΩ

mm

kg

Ра

Years

Unit

m/s

m/s

ms

ms

Ν

Ν

mm

mm

Value

40.5

185

95

60

2000

4

80

80

31.5 40%

20 400※

400 ※

10000

 21 ± 2

235±35 305±35

≤22

3

3.5

<1.33×10⁻³

20

Value

1.7±0.3 1.3±0.3

≤3

≤2

3200 +300

2250 +210

3

≤3

Open-0.3s-CO-180s-CO

Main Technical Data

ltem

Short-time (1min) Power-frequency Withstand Voltage

Switch Operations of Rated Short-circuit Breaking Current

Rated Back-to-Back Capacitor Bank Breaking Current

Contact Closed Force Due to Bellows and Atmosphere

Item

Mechanical Data of Switch Equipped With Interrupter

Rated Single Capacitor Bank Breaking Current

Lightning Impulse Withstand Voltage (Peak)

Rated Short-time Withstand Current Rated Duration of Short-circuit

Rated Peak Withstand Current

Max. Dc Component

Mechanical Endurance

Contact Limit Erosion

Mass of Moving Parts

Internal Gas Pressure

Rated Operating Sequence

Average Opening Speed (first 12mm)

Average Closing Speed (last 6mm)

Contact Bounce Duration at Closing Operation

Contact Pressure at Contact Touch Point

Max. Rebound of Contact at Opening Operation

Out of Simultaneity of Contact Closing and Opening

Shelf Life

Clearance Between Open Contacts

Counterforce of Contact at Full Stroke

Circuit Resistance at Min. Rated Contact Force

Rated Short-circuit Making Current

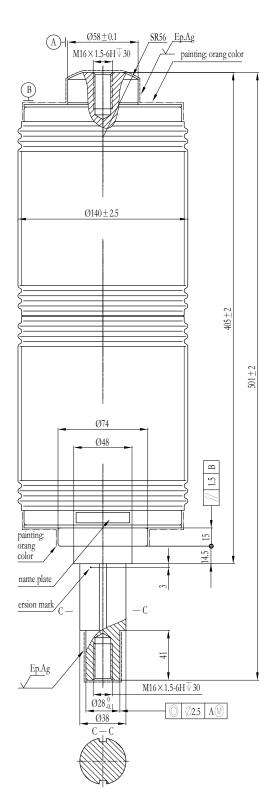
Rated Short-circuit Breaking Current

Rated Voltage

Rated Frequency

Rated Current

GTD-40.5/2000-31.5K



Note 1: "X" Rated characteristics to be given on request;

Note 2: Meets or exceeds the electrical endurance requirements of class E2 for autoreclosing duty per IEC 62271-100;

Note 3: The movable stem of the vacuum interrupter could noly suffe on more than 45N · m twisting force and in order not to damage the metal bellows, the movable stem should be prevent from rotation when assembling. For more requirements please check the Instructions of Usage.

Rated Contact Pressure

Overtravel During Opening