

N LW30-126/145T3150-40HV SF6 Circuit Breaker

NEWS



1 Overview

LW30-126/145/3150-40 SF6 high-voltage AC circuit breaker is of 3-phase 50Hz high-voltage switchgear, used for the control and protection of 126kV/145kV power distribution and transmission system, as well as being used as the network interconnected circuit breaker and in the places switching capacitor bank.

2 Service and Installation Conditions

Ambient temperature: $-30^{\circ}\text{C}\sim+40^{\circ}\text{C}$ (special order - $50^{\circ}\text{C}\sim+40^{\circ}\text{C}$)

Altitude: $\leq 1000\text{m}$ (No limitation for special order)

Humidity:

Relative humidity at average per day (25°C): $\leq 95\%$

Relative humidity at average per month: $\leq 90\%$

Saturation vapour pressure: Daily average $\leq 2.2 \times 10\text{MPa}$

Monthly average $\leq 1.8 \times 10\text{MPa}$

Wind pressure: $\leq 700\text{Pa}$

Icing thickness: 10mm

Seismic intensity:

Horizontal acceleration: $\leq 0.3\text{g}$

Vertical acceleration: $\leq 0.15\text{g}$

Sunshine intensity: 0.1w/cm (at wind velocity of 0.5m/s)

Max. daily temperature rise: 25°C

Symmetrical Creepage distance: 31mm/kV

Protection class: IP54

Keep the breaker away from places with combustible, explosive, corrosive materials and violent vibrations.